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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 01:18:23 ; Search time 109.667 Seconds
(without alignments)
7595.574 Million cell updates/sec

Title: US-09-845-416-6_COPY_1500_3000

Perfect score: 1501

Sequence: 1 agaagactctagaacaagaac.....tcaaccacgagactcaaca 1501

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1182.6	78.8	5952	4	US-09-687-875A-1
2	1182.6	78.8	13977	4	US-09-484-970B-60
3	1004	66.9	19307	3	US-08-836-022A-10
4	1004	66.9	19307	3	US-09-427-048A-10
5	397	26.4	6045	4	US-08-091-501B-7
6	397	26.4	10320	4	US-09-091-501B-9
7	311.8	20.8	3915	4	US-09-976-594-93
8	69.8	4.7	200	4	US-09-091-501B-5
9	69	4.6	200	4	US-09-091-501B-4
10	65	4.3	200	4	US-09-091-501B-6
11	63.6	4.2	238	4	US-09-687-875A-13
12	53.4	3.6	7218	1	US-08-232-463-14
13	42.8	2.9	1690	4	US-08-620-312D-69
14	42.8	2.9	7812	3	US-09-368-590-1
15	38.6	2.6	1751	4	US-09-620-312D-847
16	38.6	2.6	1995	1	US-08-425-069-3
17	38.6	2.6	1995	2	US-08-317-844B-3
18	38.4	2.6	7672	4	US-09-220-132-24
19	35	2.3	2169	4	US-08-434-408-3
20	34.8	2.3	246240	2	US-08-724-394A-20
21	34.8	2.3	246240	2	US-08-724-394A-21
22	34.8	2.3	246240	2	US-08-724-394A-22
23	34.8	2.3	1830121	4	US-09-557-884-1
24	34.8	2.3	1830121	4	US-09-643-990A-1
25	34.6	2.3	2277	1	US-08-676-967-5
26	34.6	2.3	2277	1	US-08-676-974-5
27	34.6	2.3	2277	2	US-09-098-487-5

28	34.4	2.3	1047	4	US-09-671-950-1	Sequence 1, Appli
29	34.4	2.3	1047	4	US-09-671-950-3	Sequence 3, Appli
30	34.4	2.3	1047	4	US-09-671-950-5	Sequence 5, Appli
31	34.4	2.3	1047	4	US-09-671-950-7	Sequence 7, Appli
32	34.4	2.3	1047	4	US-09-671-950-9	Sequence 9, Appli
33	34.4	2.3	1047	4	US-09-671-950-11	Sequence 11, Appli
34	34.4	2.3	1047	4	US-09-671-950-13	Sequence 13, Appli
35	34.2	2.3	750	4	US-08-961-527-370	Sequence 370, Appl
36	34.2	2.3	32768	4	US-08-961-527-71	Sequence 71, Appl
37	34	2.3	648	4	US-09-252-991A-10033	Sequence 10033, A
c 38	34	2.3	762	4	US-09-252-991A-9821	Sequence 9821, Ap
39	34	2.3	1644	4	US-09-252-991A-10161	Sequence 10161, A
c 40	34	2.3	2235	3	US-09-153-804-2	Sequence 2, Appli
41	33.8	2.3	1603	1	US-08-625-209A-1	Sequence 1, Appli
42	33.8	2.3	3489	2	US-08-728-323A-1	Sequence 1, Appli
43	33.8	2.3	3489	2	US-09-298-568-1	Sequence 1, Appli
44	33.8	2.3	3489	4	US-09-410-399-1	Sequence 1, Appli
c 45	33.8	2.3	32207	2	US-08-770-379-20	Sequence 20, Appli

ALIGNMENTS

RESULT 1

US-09-687-875A-1

; Sequence 1, Application US/09687875A

; Patent No. 6544786

; GENERAL INFORMATION:

; APPLICANT: Xiao, Xiao

; TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPICED PEI

; FILE REFERENCE: 00792

; CURRENT APPLICATION NUMBER: US/09/687,875A

; PRIOR FILING DATE: 2000-10-13

; PRIOR APPLICATION NUMBER: 60/158,868

; PRIOR FILING DATE: 1999-10-15

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 5952

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (2897)..(2898)

; OTHER INFORMATION: S4 junction site

; NAME/KEY: misc feature

; LOCATION: (3198)..(3199)

; OTHER INFORMATION: S2 junction site

; US-09-687-875A-1

Query Match 78.8%; Score 1182.6; DB 4; Length 5952;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 313 GGTACCTACTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAAGTTTCTTCCTG 372

Db 2946 GGNAGAACTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAAGTTTCTTCCTG 3005

Qy 373 GCTTACAGAGCTGAACAACTGCCAATCTCTACAGGATGCTACCGTAAGGAAGGCT 432

Db 3006 GCTTACAGAGCTGAACAACTGCCAATCTCTACAGGATGCTACCGTAAGGAAGGCT 3065

Qy 433 CCTAGAGACTCCAGGGAGTAAAGAGCTGATGAACATGCAAGACCTCCAGGTGA 492

Db 3066 CCTAGAGACTCCAGGGAGTAAAGAGCTGATGAACATGCAAGACCTCCAGGTGA 3125

Qy 493 AATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACAGCCAAATAATCTGTAG 552

Db 3126 AATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACAGCCAAATAATCTGTAG 3185

Qy 553 ATCCCTGGAGGTTCCGATGATGCAGTCTGTACAAAGACGTTTGGATAACATGAAGT 612

Db 3186 ATCCCTGGAAGGTTCCGATGATGAGTCTCTGTTACAAAGAGCTTTGGTAACATGAACCTT 3245
Qy 613 CAAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAAAATAGGTCCCATTTGGAGCCAGTTC 672
Db 3246 CAAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAAAATAGGTCCCATTTGGAGCCAGTTC 3305
Qy 673 TGACCAAGTGGAGGCTCTGCACTTTCTCTGAGGAACTCTCTGAGGCTTACAGCTGAA 732
Db 3306 TGACCAAGTGGAGGCTCTGCACTTTCTCTGAGGAACTCTCTGAGGCTTACAGCTGAA 3365
Qy 733 AGATGATGAATTAAGCCGCGAGGCACTTATTGGAGGCACTTTCCAGCAGTTCAGAGCA 792
Db 3366 AGATGATGAATTAAGCCGCGAGGCACTTATTGGAGGCACTTTCCAGCAGTTCAGAGCA 3425
Qy 793 GAACGATGTACATAGGCGCTTCAGAGGGAATTTGAAACTTAAGAACTGTAATCATGAG 852
Db 3426 GAACGATGTACATAGGCGCTTCAGAGGGAATTTGAAACTTAAGAACTGTAATCATGAG 3485
Qy 853 TACTCTTGAGAGTGTACGAATATTTCTGACAGAGCAGCTTTTGAAGGACTTAGAGAACT 912
Db 3486 TACTCTTGAGAGTGTACGAATATTTCTGACAGAGCAGCTTTTGAAGGACTTAGAGAACT 3545
Qy 913 CTACAGAGGCGCCAGAGAGTCTCTCTGAGAGAGAGCCAGAAATGTCACTCGGCTTCT 972
Db 3546 CTACAGAGGCGCCAGAGAGTCTCTCTGAGAGAGAGCCAGAAATGTCACTCGGCTTCT 3605
Qy 973 ACGAAGCAGAGGCTGAGGAGGTCAATACTGAGTGGGAAATTTGAACCTCGCTGTA 1032
Db 3606 ACGAAGCAGAGGCTGAGGAGGTCAATACTGAGTGGGAAATTTGAACCTCGCTGTA 3665
Qy 1033 CTGGCAGAGAAATATGATGAGACCTTTGAAAGACTTCCAGGAACTTCAAGAGGCCACGGA 1092
Db 3666 CTGGCAGAGAAATATGATGAGACCTTTGAAAGACTTCCAGGAACTTCAAGAGGCCACGGA 3725
Qy 1093 TGAGCTGGACCTCAAGCTGGCGCAAGCTGAGTGATCAAGGGATCTTGGGAGCCGCTGGG 1152
Db 3726 TGAGCTGGACCTCAAGCTGGCGCAAGCTGAGTGATCAAGGGATCTTGGGAGCCGCTGGG 3785
Qy 1153 CGATCTCTCTCAATGACTCTCTCCAGATCACTCGAGAACTCTGAGGCACTTCAGAGGAGA 1212
Db 3786 CGATCTCTCTCAATGACTCTCTCCAGATCACTCGAGAACTCTGAGGCACTTCAGAGGAGA 3845
Qy 1213 AATTGGGCTCTGAAGAGAGCTGAGCACTGATCAAGCTTCTGCGCAGCTTACCA 1272
Db 3846 AATTGGGCTCTGAAGAGAGCTGAGCACTGATCAAGCTTCTGCGCAGCTTACCA 3905
Qy 1273 TTTGGGCACTTCAAGCTCTCAAGCTTAACTCAGCACTCTGGAAGACCTTGAAACACCAAGATG 1332
Db 3906 TTTGGGCACTTCAAGCTCTCAAGCTTAACTCAGCACTCTGGAAGACCTTGAAACACCAAGATG 3965
Qy 1333 GAAGCTTCTGAGGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGAGGAGCCACAGGGA 1392
Db 3966 GAAGCTTCTGAGGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGAGGAGCCACAGGGA 4025
Qy 1393 CTTTGGTCCAGATCTCAGCACTTTCTTCCAGCTTCTGCAAGGCTCCCTGGGAGAGAGC 1452
Db 4026 CTTTGGTCCAGATCTCAGCACTTTCTTCCAGCTTCTGCAAGGCTCCCTGGGAGAGAGC 4085
Qy 1453 CATCTGGCAAAACAAAGTCCCTACTATATCAACCAAGGACTTCAACA 1501
Db 4086 CATCTGGCAAAACAAAGTCCCTACTATATCAACCAAGGACTTCAACA 4134

RESULT 2

US-09-484-970B-60
; Sequence 60, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkumth, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US

; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 60
; LENGTH: 13977
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6426186 229357.11CB1
; NAME/KEY: unsure
; LOCATION: 11721-11761, 12294, 13969
; OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-60

Query Match 78.8%; Score 1182.6; DB 4; Length 13977;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 313 GGTACCTACTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAAGTTTCTTTCGCTG 372
Db 8260 GGAAGAACTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAAGTTTCTTTCGCTG 8319
Qy 373 GCTTACAGAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCTGAGGAAGCT 432
Db 8320 GCTTACAGAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCTGAGGAAGCT 8379
Qy 433 CCTAGAGACTCTCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAGGTGA 492
Db 8380 CCTAGAGACTCTCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAGGTGA 8439
Qy 493 AATTGAAGCTCACAGATGTTTATCAAACTCTGATGAAACAAATGGCAAGACCTCCAAGGTGA 552
Db 8440 AATTGAAGCTCACAGATGTTTATCAAACTCTGATGAAACAAATGGCAAGACCTCCAAGGTGA 8499
Qy 553 ATCCCTGGAGGTTCCGATGATGAGTCTCTTACAAAGACGTTTGGATTAACATGAATCT 612
Db 8500 ATCCCTGGAGGTTCCGATGATGAGTCTCTTACAAAGACGTTTGGATTAACATGAATCT 8559
Qy 613 CAAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATAGGTCCCATTTGGAGACCAAGTTC 672
Db 8560 CAAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATAGGTCCCATTTGGAGACCAAGTTC 8619
Qy 673 TGACCAAGTGGAGGCTCTGCACTTTCTCTGAGGAACTTCTGCTGAGTGGCTACAGTGA 732
Db 8620 TGACCAAGTGGAGGCTCTGCACTTTCTCTGAGGAACTTCTGCTGAGTGGCTACAGTGA 8679
Qy 733 AGATGATGAATTAAGCCGCGAGGCACTTATTGGAGGCACTTTCCAGCAGTTCAGAGCA 792
Db 8680 AGATGATGAATTAAGCCGCGAGGCACTTATTGGAGGCACTTTCCAGCAGTTCAGAGCA 8739
Qy 793 GAACGATGTACATAGGCGCTTCAGAGGGAATTTGAAACTTAAGAACTGTAATCATGAG 852
Db 8740 GAACGATGTACATAGGCGCTTCAGAGGGAATTTGAAACTTAAGAACTGTAATCATGAG 8799
Qy 853 TACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTTGGAGGACTAGAGAACT 912
Db 8800 TACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTTGGAGGACTAGAGAACT 8859
Qy 913 CTACAGAGGCGCCAGAGAGTCTCTCTGAGAGAGAGCCAGAAATGTCACTCGGCTTCT 972
Db 8860 CTACAGAGGCGCCAGAGAGTCTCTCTGAGAGAGAGCCAGAAATGTCACTCGGCTTCT 8919
Qy 973 ACGAAGCAGGCTGAGGAGTCAATACTGAGTGGGAAATTTGAACCTCACTCCGCTGA 1032
Db 8920 ACGAAGCAGGCTGAGGAGTCAATACTGAGTGGGAAATTTGAACCTCACTCCGCTGA 8979
Qy 1033 CTGGCAGAGAAATATGATGAGACCTTGAAGACTTCAAGGAACTTCAAGAGGCCACGGA 1092
Db 8980 CTGGCAGAGAAATATGATGAGACCTTGAAGACTTCAAGGAACTTCAAGAGGCCACGGA 9039
Qy 1093 TGAGCTGGACCTCAAGCTGGCGCAAGCTGAGTGTATCAAGGGATCTCTGGCAGCCGCTGGG 1152

Db 9040 TGAGCTGGACCTCAAGCTGCGCCAGCTGAGTGAATCAAGGATCCTGGCAGCCGCTGGG 9099
Qy 1153 CGATCTCTCTATTGACTCTCTCCAGATACCTCGAGAAAGTCAAGGACCTTCGAGGAGA 1212
Db 9100 CGATCTCTCTATTGACTCTCTCCAGATACCTCGAGAAAGTCAAGGACCTTCGAGGAGA 9159
Qy 1213 AATTGGCGCTCTGAAAGAGAACTGAGCCAGTCAATGACCTCTGCTCGCCAGCTTACCAC 1272
Db 9160 AATTGGCGCTCTGAAAGAGAACTGAGCCAGTCAATGACCTCTGCTCGCCAGCTTACCAC 9219
Qy 1273 TTTGGGCAATCAGTCTCAACGATACCTCGAGCACTCTGGAAGACCTGGAACACCATG 1332
Db 9220 TTTGGGCAATCAGTCTCAACGATACCTCGAGCACTCTGGAAGACCTGGAACACCATG 9279
Qy 1333 GAAGCTTCTGAGGTGCGCTGAGGACCGAGTCAGCAGCTGATGAAGCCACACAGGA 1392
Db 9280 GAAGCTTCTGAGGTGCGCTGAGGACCGAGTCAGCAGCTGATGAAGCCACACAGGA 9339
Qy 1393 CTTTGGTCCAGATCTCAGCACTTTCTTTCCAGCTCTGTCCAGGTCCTCGGAGAGAGC 1452
Db 9340 CTTTGGTCCAGATCTCAGCACTTTCTTTCCAGCTCTGTCCAGGTCCTCGGAGAGAGC 9399
Qy 1453 CATCTGCCCAACAAAGTGCCTACTATATCAACACAGCACTCAAAACA 1501
Db 9400 CATCTGCCCAACAAAGTGCCTACTATATCAACACAGCACTCAAAACA 9448

RESULT 3

US-08-836-022A-10/c

; Sequence 10, Application US/08836022A

; Patent No. 6001557

; GENERAL INFORMATION:

; APPLICANT: Trustees of the University of Pennsylvania

; APPLICANT: Wilson, James M.

; APPLICANT: Fisher, Krishna J.

; APPLICANT: Chen, Shu-Jen

; APPLICANT: Weitzman, Matthew

; TITLE OF INVENTION: Improved Adenovirus Virus and

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Howson and Howson

; STREET: Spring House Corporate Cntr, P O Box 457

; CITY: Spring House

; STATE: Pennsylvania

; COUNTRY: USA

; ZIP: 19477

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; FILING DATE:

; FILING DATE: US/08/836,022A

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/331,381

; FILING DATE: 28-OCT-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Bak, Mary E.

; REGISTRATION NUMBER: 31,215

; REFERENCE/DOCKET NUMBER: GNPVN.008PCT

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 215-540-9200

; TELEFAX: 215-540-5818

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 19107 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: unknown

; MOLECULE TYPE: CDNA

US-08-836-022A-10

Query Match 66.9%; Score 1004; DB 3; Length 19307;

Best Local Similarity 90.3%; Pred. No. 0;

Matches 1073; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

Qy 313 GGTACCTACTCATAGATTACTCAACAGTTCCCTCCCTGACCTGGAAAGTTCCTTGCCTG 372
Db 6434 GGAAGAACTCATAGATTACTGACAGTTCCTCTGGACCTGGAAGTTCCTTTCCTG 6375
Qy 373 GCTTACAGAGCTGAAACAACTGCCAATGTCCTACAGATGTCACCCGTAAAGAAAGCT 432
Db 6374 GATTACGGAAGCAGAAACAACTGCCAATGTCCTACAGACGCTTCCCTGTAAGAGAAGCT 6315
Qy 433 CTTAGAAAGCTCCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAGTCA 492
Db 6314 CTTAGAAAGCTCCAAGGGAGTCAAGAGCTGATGAAACCAATGGCAAGATCTCCAAGGAGA 6255
Qy 493 AATTGAAGCTCAACAGATGTTTATCAAACTGGATGAAACAGCCAAATAATCTCTGAG 552
Db 6254 AATTGAAGCTCAACAGATATCTATCACAATCTTGATGAAATGGCCAAATAATCTCTGAG 6195
Qy 553 ATCCCTGGAGGTTCCGATGATGCGCTGTTACAAAGACGTTTGGATAACATGAACCTT 612
Db 6194 ATCCCTGGAGGTTCCGATGAAAGACCCCTGTTTACAAAGACGTTTGGATTAACATGAATTT 6135
Qy 613 CAAAGTGGAGTGAACCTTCGGAAAAAGTCTCTCAACATTTAGGTCCCATTTTGGAAAGCCAGTTTC 672
Db 6134 CAAAGTGGAGTGAACCTTCAGAAAAAGTCTCTCAACATTTAGGTCCCATTTTGGAAAGCCAGTTTC 6075
Qy 673 TGACCAAGTGGAGGCTCTGCACCTTCTCTGACAGNACTTCTGGTGTGGCTACAGCTGA 732
Db 6074 TGACCAAGTGGAGGCTTTCATCTTCTCTTTCAGGAACCTTCTTGTGTGGCTACAGCTGA 6015
Qy 733 AGATGATGAATTAAGCCGCGCAGGCACCTATTGGAGCGCACTTTCCAGCAGTTCAGAAAGA 792
Db 6014 AGATGATGAATTAAGCCGCGCAGGCACCCATCGTGGTGATTTCCAGCAGTTCAGAAAGA 5955
Qy 793 GAACGATGTACATAGGCGCTTCAAGAGGGAATTAAGAACTAAAGAACCTGTATATCATGAG 852
Db 5954 GAATGATATACATAGGCGCTTCAAGAGGGAATTAAGAACTAAAGAACCTGTATATCATGAG 5895
Qy 853 TACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCCCTTTTGGAAAGGACTAGAGAACT 912
Db 5894 TACTCTTGAGACTGTGAGAAATATTTCTGACAGAGCAGCCCTTTTGGAAAGGACTAGAGAACT 5835
Qy 913 CTACCAAGGAGCCAGAGAGCTGCTCTCTGAGGAGAGAGCCCAAGATGTCACTCGGCTTCT 972
Db 5834 CTACCAAGGAGCCAGAGAGCTGCTCTCTGAGAAAGAGCTCAGAAATGTCACTCGGCTTCT 5775
Qy 973 AGAAGAGGAGCTGAGGAGTCAATACCTGAGTGGGAAATTAAGAACTTCAAGAGCCAGCGGA 1032
Db 5774 AGAAGAGGAGCTGAGGAGTCAATACCTGAGTGGGAAATTAAGAACTTCAAGAGCCAGCGGA 5715
Qy 1033 CTGGCAGAGAAAAATAGATGAGACCTTCCAGAGACTTCCAGAGAACTTCAAGAGCCAGCGGA 1092
Db 5714 TTGGCAGAGAAAAATAGATGAGAACTTCCAGAGAACTTCCAGAGAACTTCAAGAGCCAGCGGA 5655
Qy 1093 TGAGCTGGAGCTCAAGCTCGGCAAGCTGAGTGTCAAGGATCTGCGCAGCCGCTGGG 1152
Db 5654 TGAACTGGACCTCAAGTTCGCGCAAGCTGAGTGTCAAGGATCTGCGCAGCCGCTGGG 5595
Qy 1153 CGATCTCTCTTACTCTCTCAAGATCACTCCAGAGAAAGTCAAGGAACTTCAAGGAGGAGA 1212
Db 5594 GATCTCTCTCTTACTCTCTCAAGATCACTTCAAGAAAGTCAAGGAACTTCAAGGAGGAGA 5535
Qy 1213 AATTGGCGCTCTGAAAGAGAACTGAGCCAGCTCAATGACCTTGTCTGCGCAGCTTACCAAC 1272
Db 5534 AATTGGCGCTCTGAAAGAGAACTGAGCCAGCTCAATGACCTTGTCTGCGCAGCTTACCAAC 5475
Qy 1273 TTTGGGCAATCAGCTCTCAACGATTAACCTCAGCACTCTGGAAGACCTTGAACACCATG 1332
Db 5474 ACTGGGCAATCAGCTCTCAACCTTATTAACCTCAGCACTTTTGAAGAGATCTGAATACCATG 5415

RESULT 5
US-09-091-501B-7
; Sequence 7, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091.501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 6045
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(6037)
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chimeric
; NAME/KEY: misc feature
; LOCATION: (724)..(758)
; OTHER INFORMATION: Precise residue is left open
US-09-091-501B-7
Query Match 26.4%; Score 397; DB 4; Length 6045;
Best Local Similarity 59.3%; Pred. No. 5e-120;
Matches 698; Conservative 0; Mismatches 470; Indels 9; Gaps 1;
QY 333 TGCACAGTTCCTCCCTGGACCTGGAAGAGTTCTTGCTGGCTTACAGAGCTGAACAA 392
DB 3069 TGCAGGCTCTCGCAGAGATCTGAAACCTTCCTGAAAGTGGATCCAGAGACGAGACCA 3128
QY 393 CTGCAATGTCTACAGGATCTACCCGTAAGGAAAGGCTCTAGAGAGCTCCAAAGGGAG 452
DB 3129 CAGTGAATGTCTGTGGATCCCTCTCATCGGAGATGCTCTTCAGATAGTATCTTGG 3188
QY 453 TAAAGAGCTGATGAACAATGGCAAGCTCCAGGTGAATGAAGCTCACHCAGATG 512
DB 3189 CCAGGGAACCTCAACAGCAGATGCAGGACATCCAGGCGAGAAATGTATGCCCAATGACA 3248
QY 513 TTTATCAACCTTGATGAACAGCAACCAAAATCTCGAGATCCCTGGAAGTTCCGATG 572
DB 3249 TATTTAAAGCATTTGACGGAACAGCGAAGATGGTAAAGCTTTGGGAATTTCTGAG 3308
QY 573 ATGCACTCTCTTCAAGAGCTTTGGATAACATGAACCTCAAGTGGAGTGAACCTCGGA 632
DB 3309 AGGCTACTATGCTTCAACATCGACTGGATGATATGAACCAAGATGGAATGACTTAAAG 3368
QY 633 AAAAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTCTGACCACTGGAGGCTGTC 692
DB 3369 CAAATCTGTAGCATAGGCCCATTTTGGAGGCGAGCTGTGAAGTGAACAGGTTCG 3428
QY 693 ACCCTTCTCTCAGGAATCTTGTGTGGCTTACAGCTGAAAGATGATGAATTAAGCCGGC 752
DB 3429 TGATGCTCTTAGAAGAATCTGATCAATATGGCTGATATGAAGATGAAGAGCTTAAGAAC 3488
QY 753 AGGCACCTATTGGAGGCGACTTTCAGCAGTTTCAAGAGCAGACGATGTACATAGGCGCT 812
DB 3489 AAATGCCTATTGGAGGAGATGTTCCAGCCTTACAGCTCCAGATGACCAATTGTAAGGCC 3548

QY 813 TCAGAGGGAATTGAAAACCTAAAGAACCTGTATCATGAGTACTCTTGGAGACTTACGAA 872
DB 3549 TGAGACGGGAGTTAAAGGAGAAAGAAATATTCGTCTCTGAATCTGTGACCCAGGCCGAG 3608
QY 873 TATTTCTGACAGAGCAGCCTTT-----GGAAGGACTAGAGAAACTCTTACCAGGAGC 923
DB 3609 TTTTCTTGCTGATCAGCCAAATTGAGGCCCTGTAAGAGCCNAGAGAAACCTTACAATCAA 3668
QY 924 CAGAGAGCTGCTCTCTGAGGAGAGAGCCGCAAGATGTCACTCGGCTTCTACGAAAGCAG 983
DB 3669 AAACAGATTAACCTCTGAGGAGAGAGCCCAAAAGATTGCAAAAGCCATTCGCCAAACAGT 3728
QY 984 CTGAGGAGTCAATCTGAGTGGGAAAATGAACTGCACCTCCGCTGCTGCTGCGCAGAGAA 1043
DB 3729 CTTCTGAAGTCAAAGAAAATGGGAAAGTCTAAATGCTTAAGTCTAGCAATTTGGCAAAGC 3788
QY 1044 AAATAGATCAGACCTTTGAAGACTCCAGGAACCTTCAAGAGGCCACGGATAGCTGGACC 1103
DB 3789 AAGTGACAAGGCATTGGAGAAACTCAGAGACCTGCAGGGAGCTATGGATGACCTGGAGC 3848
QY 1104 TCAGGCTGCGCAAGCTGAGGTGATCAAGGGATCCTGGCAGCCCGTGGGCGATCTCCTCA 1163
DB 3849 CTGACATGAAGAGGCGCAGAGTCCGTGCGGAATGGCTGGGAAGCCCGTGGGAGACTTACTCA 3908
QY 1164 TTGACTCTCTCCAAGATCACCTCGAGAAAGTCAAGGCACCTTCGAGAGAAATTTGCGCCTC 1223
DB 3909 TTGACTCGCTGCAGGATCACATTGAAAAAATCATGGCATTAGAGAGAAATTTGCACCAA 3968
QY 1224 TGAAGAGAACGTGAGCCACGTCATGACCTTGTCTGCGCAGCTTACCATTTTGGGCATTC 1283
DB 3969 TCAACTTTTAAAGTTAAACGGTGAATGATTTATCAGTCAAGTGTCTCCACATTGACCTGC 4028
QY 1284 AGCTCTCACCGTATTAACCTCAGCACTCTCGAAGACCTCTGAAGACCTGAACACAGATGGAAGCTTCGC 1343
DB 4029 ATCCCTCTCTAAGATGTCTCGCCAGCTAGATGACCTTAATATGCGATGGAACCTTTTAC 4088
QY 1344 AGTGCGCCCTCGAGGACCGAGTCAGCAGCAGCTGATGAAGCCCAAGAGGACTTTGGTCCAG 1403
DB 4089 AGGTTCTCTGTGATGATCGCCTTAAACAGCTTCAGAGAGCCCAAGAGATTTTGGACCAT 4148
QY 1404 CATCTCAGACATTTCTTTTCCAGCTGTCTCCAGGTTCTCCAGGTTCCCTGGGAGAGAGCATCTCGCCAA 1463
DB 4149 CCTCTCAGCATTTTCTCTCTAGTCTAGTCCAGTCCGCTGGCAAGATCCATTTTACATA 4208
QY 1464 ACAAGTGCCTTACTATATCAACACAGAGACTCAAAAC 1500
DB 4209 ATAAAGTGCCTTATTACATCAACCATCAACACAGAC 4245

RESULT 6

US-09-091-501B-9
; Sequence 9, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091.501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 10320

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(10312)
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Full length
; OTHER INFORMATION: utrophin construct
;
;
; NAME/KEY: misc feature
; LOCATION: (724)..(758)
; OTHER INFORMATION: Precise residue is left open
US-09-091-501B-9

Query Match      26.4%; Score 397; DB 4; Length 10320;
Best Local Similarity 59.3%; Pred. No. 7.3e-120;
Matches 698; Conservative 0; Mismatches 470; Indels 9; Gaps 1;

QY 333 TGCACACAGTTCCCTCGACCTGGAAAGATTTCTTGGCTGTACAGAAAGCTGAAACAA 392
DB 7344 TCGAGGCTCTCGCAGAGATCTGGAAACTTCTCTGAAGTGGATCCAAAGAGCAGAGACCA 7403

QY 393 CTGCCAATGCTCAGAGATGCTACCCGTAGGAAGGCTCCTAGAGAGCTCCAGAGGAG 452
DB 7404 CAGTGAATGTGCTGTGGATGCCCTCTCATCGGGAGAAATGCTCTTCAGGATAGTATCTTGG 7463

QY 453 TAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAAGGTGAAATTTGAAGCTCACACAGATG 512
DB 7464 CCAGGAACTCAACAGCAGATGTCAGAGATCTCCAGGCGAGAAATTTGATGTCCTCCACATGACA 7523

QY 513 TTTATCAACCTGATGAAACAGCCAAACAAATCTCGAGATCCCTGGAAGTTCCGATG 572
DB 7524 TATTTAAAGCAATTCAGCGAAACAGCCAGAGAGATGGTAAAGCTTTGGGAAATTTCTGAAG 7583

QY 573 ATGCACTCTGTTACAGAGAGTTTGGATAACATGAACTTCAAGTGGAGTGAACCTTCGGA 632
DB 7584 AGGCTACTATGCTTCAACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 7643

QY 633 AAAAGTCTCTCAACATTAAGTCTCCATTTGGAAGCCAGTTCTGACAGTGAAGCGTCTGC 692
DB 7644 CAAATCTGCTAGCATCAGGCGCCCATTTGGAGGCCAGCGCTGAGAGTGGAAACAGAGTTGC 7703

QY 693 ACCTTCTCTGACAGAACTTCTGTTGGCTTACAGCTCAAGATGATGAATTAAGCCGCG 752
DB 7704 TGATGCTCTTGAAGAACTGATCAAAATGGCTGAATATGAAGATGAAGAGCTTGAAGAAC 7763

QY 753 AGGCACCTATTGGAGCGACATTTCCAGCAGTTTCAGAGCAGAGAGAGATGTACATAGGCGCT 812
DB 7764 AAATGCTTATTGGAGGAGATGTTCCAGGCTTTACAGCTTCCAGTATGACCATTTGTAAGGCC 7823

QY 813 TCAAGAGGGAATGAAACTAAAGAACTGTAAATCATGAGTACTCTTGAAGCTGTACGAA 872
DB 7824 TGAGACGGGAGTTAAGGAGAAAGAAATATTCTGCTCTGAATGCTGTGACAGGCGCCGAG 7883

QY 873 TATTTCTCAGACAGCAGCGCTTT-----GGAGGAGTACAGAAACTTTACAGAGAGC 923
DB 7884 TTTTCTTGCTGTATGAGCAATTTAGGCGCCCTTGAGAGGCCCAAGAGAACTTACATCAATCAA 7943

QY 924 CCAGAGAGCTGCTCTCAGAGAGAGAGCCCAAGATGTCACTCGGCTTCTAGGAAAGCAGG 983
DB 7944 AAACAGAAATTAACCTCTCAGAGAGAGAGCCCAAGAGATTTGCCAAAGCCATGCGCAACAGT 8003

QY 984 CTGAGAGGCTCAATTAAGTGGGAAATTAAGACCTTCACTCGCTGACTGGCAGAGAA 1043
DB 8004 CTTCTGAAGTCAAGAAATATGGGNAAGTCTAAATGTGTGTAATCTAGCAATTTGGCAAAAGC 8063

QY 1044 AAATAGATGAGACCTTGAAGACTCCAGAGAACTTCAAGAGGCCCAAGAGTACGATGAGCC 1103
DB 8064 AAGTGGCAAGGCAATTTGAGAGAACTTCAGAGACCTTGCAGGGAGCTTATGGATGACCTTGAGC 8123

QY 1104 TCAAGCTGGCCAGCTCAGGTGATCAAGGGATCTCGCAGCCCGTGGCGGATCTCTCTCA 1163
DB 8124 CTGACATGAAGAGGACAGTCCGTGGGAAATGGCTGGAAGCCCTGGAAGCCCTTACTCTCA 8183
```

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QY 1164 TTGACTCTCTCCAAAGTCACTCGAGAAAGTCAAGGCACCTTCGAGAGAAATTTGGCCTC 1223
DB 8184 TTGACTCGCTGCAGGATCACATTGAAATAATATGCGCATTTAGAGAAATAATTTGCACCA 8243

QY 1224 TGAAGAGAAACGTGAGCCACGTCATGACCTTTGCTGCGCAGCTTACCACTTTTGGCAATC 1283
DB 8244 TCAACTTTAAAGTTAAACGGTGAATGATTTATCCAGTCAGCTGCTCCACTTGACCTGC 8303

QY 1284 AGCTCTCACCGTATAACCTCAGCACTCTGGAAGACTGAAACACAGATGGAAGCTTCTGC 1343
DB 8304 ATCCCTCTCTTAAAGATGTCTGCCAGCTAGATGACCTTAATATGCGATGGAACACTTTTAC 8363

QY 1344 AGTGCGCGCTCGAGGACCGAGTCAGGCAGCTGTCATGAAGCCCAACAGGAGCTTTTGTCCAG 1403
DB 8364 AGGTTCTGTGATGATGCTTAAACAGCTTCAGAAAGCCCAACAGATTTTGAACCAT 8423

QY 1404 CATCTCAGCACTTTCTTTCCAGCTCTGTCAGGCTCCTGGAGAGAGCCATCTCGCCAA 1463
DB 8424 CCTCTCAGCACTTTCTCTACGTCCAGCTCCAGCTGCGCTGGCAAGATCCATTTACATA 8483

QY 1464 ACAAGTGCCTTACTATATCAACACAGAGACTCAAAAC 1500
DB 8484 ATAAAGTGCCTTATTACATCAACCATCAACACAGAC 8520

RESULT 7
US-09-976-594-93
; Sequence 93, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 93
; LENGTH: 3915
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 290344.1
US-09-976-594-93

Query Match      20.8%; Score 311.8; DB 4; Length 3915;
Best Local Similarity 60.0%; Pred. No. 5.3e-92;
Matches 538; Conservative 0; Mismatches 357; Indels 2; Gaps 1;

QY 604 CATGAACCTTCAAGTGGAGTGAATTCGGAAAGAAAGTCTCTCAACATTAGTCCCATTTGGA 663
DB 544 CATGAATCTGTGTAATGAAATATAAAAAAGTCTCAACCTCCGCGCTCGCCTAGA 603

QY 664 AGCCAGTTCTGACCACTGGAAGCGTCTGCACCTTTCTGCGAGGAACCTTCTGGTGTGCT 723
DB 604 GGCCTTCTCAGACCACTGAGTGAAGCTTCAGCTCCCTCTTCAAGAGATATTGACTGCT 663

QY 724 ACAGCTGAAAGATGATGAATTAAGCCGCGCAGCACCTATTGAGAGCGAGCTTTCCAGCAGT 783
DB 664 CAGCCAAAGAGTATGAGGATTTGTCACTCAGCTCAGCTGCCCCCTACAGGGGATGTGGCCCTG 723

QY 784 TCAAGAGCAGACGATGTATACATAGGCTTCAAGAGGAATTTGAACATAAGAACCTGT 843
DB 724 GCAACAGGAGAGGAGACACATGCGGCTTTATGGAAGAGTCAAGTCTCGGGGCCCTTA 783

QY 844 AATCATGAGTACTCTTGAAGCTGTACGAATATTCTGACAGAGCAGCCTTTGGAGAGGACT 903
DB 784 CATCTATTCTGTGCTGGAGTCAGCTCAGGCTTCTGCTCCAGCACCATTTGAGAGGTT 843
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; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-091-501B-6

Query Match
Best Local Similarity 4.3%; Score 65; DB 4; Length 200;
Matches 95; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 5 GATCTAGAACAAAGCAAGTCAGGCTCAATCTCTCACTACATGCTGGTGGTAGTTGAT 64
DB 56 GATCTTAGGCTGAACAGCTGAAGTAAATTCATCACTACATGCTGGTGGTAGTTGAT 115
QY 65 GAATCTAGTGGAGATCAGCACTGCTCTTGGGAAGCAACTTAAGTATTCGGAGAT 124
DB 116 GAAACACGTGTGAGCGCTACAGCTATCCTAGAACCCAGTTACAGAACTTGGTGAG 175
QY 125 CGATGGCAAAACATCTGTAGATGGA 149
DB 176 CGCTGGACAGCAGTATGCGGTGGA 200

RESULT 11
US-09-687-875A-13
; Sequence 13, Application US/09687875A
; Patent No. 6544786
; GENERAL INFORMATION:
; APPLICANT: Xiao, Xiao
; APPLICANT: Liu, Paul
; TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPLICED PE
; FILE REFERENCE: 00792
; CURRENT APPLICATION NUMBER: US/09/687,875A
; CURRENT FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/158,868
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pXX-C2 5' junction
US-09-687-875A-13

Query Match
Best Local Similarity 4.2%; Score 63.6; DB 4; Length 238;
Matches 66; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 565 TTCGATGATGAGTCTGTTTACAAAGACGTTTGGATAAATGAATCACTCAAGTGGAGTGA 624
DB 169 TTCGACACGACGACTGTTTACAAAGACGTTTGGATAAATGAATCACTCAAGTGGAGTGA 228
QY 625 ACTTCGGAAA 634
DB 229 ACTTCGGAAA 238

RESULT 12
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOXP2 VIRUS

; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 INMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgt-F1s
; US-08-232-463-14

Query Match
Best Local Similarity 3.6%; Score 53.4; DB 1; Length 7218;
Matches 15; Conservative 220; Mismatches 156; Indels 0; Gaps 0;

QY 731 AAAGATGATGAATTAAGCGGAGGACCTATTGAGCGGACCTTTCCAGCAGTTCAGAA 790
DB 1436 ACRR 1377
QY 791 CAGAACGATGATACATAGGCGCTTCAAGAGGAATTAAGAACTTAAGAACTGTAATCATG 850
DB 1376 RRR 1317
QY 851 AGTACTCTTGACACTGATGATAATTTCTGACAGAGCAGCCTTTGGAAGGACTAGAGAAA 910
DB 1316 RRR 1257
QY 911 CTCTACAGAGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGCAATGTCATCGGCTT 970
DB 1256 RRR 1197
QY 971 CTACGAAAGCAGGCTGAGGAGTCAATCTGAGTGGGAAAATTAAGCACTGCCTCCGCT 1030
DB 1196 RRR 1137
QY 1031 GACTGCGAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAAGAGCCACG 1090
DB 1136 RRR 1077
QY 1091 GATGAGCTGGACCTCAAGCTGCGCCAACTG 1121
DB 1076 RRRRRRRRRATCGCAAGCTCTCTGACCTG 1046

RESULT 13

US-09-620-312D-69

; Sequence 69, Application US/09620312D

; Patent No. 6569662

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan

; APPLICANT: Chen, Rui-hong

; APPLICANT: Zhao, Qing A.

; APPLICANT: Wehrman, Tom

; APPLICANT: Xue, Aidong J.

; APPLICANT: Wang, Yonghong

; APPLICANT: Wang, Jian-Rui

; APPLICANT: Zhou, Ping

; APPLICANT: Ma, Yundong

; APPLICANT: Wang, Dunrui

; APPLICANT: Wang, Zhiwei

; APPLICANT: John Tillinghast

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: No. 6569662el Nucleic Acids and

; TITLE OF INVENTION: Polypeptides

; FILE REFERENCE: 784C1F2B

; CURRENT APPLICATION NUMBER: US/09/620,312D

; PRIOR FILING DATE: 2000-07-19

; PRIOR APPLICATION NUMBER: 09/552,317

; PRIOR FILING DATE: 2000-04-25

; PRIOR APPLICATION NUMBER: 09/488,725

; PRIOR FILING DATE: 2000-01-21

; NUMBER OF SEQ ID NOS: 1105

; SOFTWARE: pt_FL_genes Version 1.0

; SEQ ID NO 69

; LENGTH: 1690

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (128)..(1522)

; US-09-620-312D-69

Query Match 2.9%; Score 42.8; DB 4; Length 1690;

Best Local Similarity 47.9%; Pred. No. 0.0025;

Matches 156; Conservative 0; Mismatches 167; Indels 3; Gaps 1;

Qy 1069 CCAGGAACCTTCAAGAGGCCACGGATGAGCTGGACCTCAAGCTGCGCCCAAGCTGAGGTGAT 1128

Db 55 CAAGGAGTTGACACAGGTGGCGGCACACCTTGACGACGAGCTGGCATGGTTTCAAGAGCG 114

Qy 1129 CAAGGGA---TCCTGGAGCCCGTGGCGGATCTCTCATTTGACTCTTCCAGATCACCT 1185

Db 115 GCTGCCACTGGCCATGACAGACGAGCGAGGCAACGGTTTGAGCGCGTCCAGCAGCACAT 174

Qy 1186 CGAGAAAGTCAAGGCACCTTCAGGAGAGAAATTCGCCCTCTGAAAGAGAACCTGAGCCACGT 1245

Db 175 CAAGAAGAACCCAGGGCCTCGCGGGGAGATCCAGGCGCATGGCGCGCTGGAGGAGGT 234

Qy 1246 CAATGACCTTGTGCGCAGCTTACCATTTGGGCAATTCAGCTCTCACCGTATTAACCTCAG 1305

Db 235 GCTGAGCGCGCGCGCGCTGGCGTTCGCTCGCAGCCCGGAGGACGAGGCGAGTGGCGCG 294

Qy 1306 CACTCTGGAAGACCTTGAAACACAGATGGAAGCTTCTGCAGTGGCGCTCGAGGACCGAGT 1365

Db 295 GGGCTTGAGCAGTGTGACAGCGGCTGGCGCGGACTGGGAGGCTGCCGAGACCGCA 354

Qy 1366 CAGGAGCTGATGAAGCCCAAGG 1391

Db 355 GCAGGTGTGACGCGCGCTTCCAGG 380

RESULT 14

US-09-368-590-1

; Sequence 1, Application US/09368590

; Patent No. 6187563

; GENERAL INFORMATION:

; APPLICANT: Solimena, Michele

; TITLE OF INVENTION: INTERACTING POLYPEPTIDES FOR

; TITLE OF INVENTION: AUTOCANTIGENS OF AUTOIMMUNE DISEASES

; FILE REFERENCE: 101918-200 (OCR-941)

; CURRENT APPLICATION NUMBER: US/09/368,590

; CURRENT FILING DATE: 1999-08-04

; EARLIER APPLICATION NUMBER: 60/095,657

; EARLIER FILING DATE: 1998-08-07

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1

; LENGTH: 7812

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(6879)

; NAME/KEY: unsure

; LOCATION: (100)...(102)

; NAME/KEY: unsure

; LOCATION: (1021)...(1023)

; NAME/KEY: unsure

; LOCATION: (2266)...(2268)

; US-09-368-590-1

Query Match 2.9%; Score 42.8; DB 3; Length 7812;

Best Local Similarity 47.9%; Pred. No. 0.0077;

Matches 156; Conservative 0; Mismatches 167; Indels 3; Gaps 1;

Qy 1069 CCAGGAACCTTCAAGAGGCCACGGATGAGCTGGACCTCAAGCTGCGCCCAAGCTGAGGTGAT 1128

Db 3639 CAAGGAGTTGACACAGGTGGCGGCACACCTTGACGACGAGCTGGCATGGTTTCAAGAGCG 3698

Qy 1129 CAAGGGA---TCCTGGAGCCCGTGGCGGATCTCTCATTTGACTCTTCCAGATCACCT 1185

Db 3699 GCTGCCACTGGCCATGACAGACGAGCGAGGCAACGGTTTGAGCGCGTCCAGCAGCACAT 3758

Qy 1186 CGAGAAAGTCAAGGCACCTTCAGGAGAGAAATTCGCCCTCTGAAAGAGAACCTGAGCCACGT 1245

Db 3759 CAAGAAGAACCCAGGGCCTCGCGGGGAGATCCAGGCGCATGGCGCGCTGGAGGAGGT 3818

Qy 1246 CAATGACCTTGTGCGCAGCTTACCATTTGGGCAATTCAGCTCTCACCGTATTAACCTCAG 1305

Db 3819 GCTGAGCGCGCGCGCGCTGGCGTTCGCTCGCAGCCCGGAGGACGAGGCGAGTGGCGCG 3878

Qy 1306 CACTCTGGAAGACCTTGAAACACAGATGGAAGCTTCTGCAGGTTGGCGCTCGAGGACCGAGT 1365

Db 3879 GGGCTTGAGCAGTGTGAAGCCCAAGG 1391

Qy 1366 CAGGAGCTGATGAAGCCCAAGG 1391

Db 3939 GCAGGTGTGACGCGCGCTTCCAGG 3964

RESULT 15

US-09-620-312D-847

; Sequence 847, Application US/09620312D

; Patent No. 6569662

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan

; APPLICANT: Chen, Rui-hong

; APPLICANT: Zhao, Qing A.

; APPLICANT: Wehrman, Tom

; APPLICANT: Xue, Aidong J.

; APPLICANT: Yang, Yonghong

; APPLICANT: Wang, Jian-Rui

```
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pc_FL_genes Version 1.0
; SEQ ID NO 847
; LENGTH: 1751
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (210)..(1253)
US-09-620-312D-847

Query Match      2.6%; Score 38.6; DB 4; Length 1751;
Best Local Similarity 51.4%; Pred. No. 0.063;
Matches 89; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 381 AAGCTGAACAACTGCCCAATGCTCTACAGGATGCTACCCGTAAGGAAAGGCTCCTAGAAG 440
    ||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 373 AAGATGAATACATGATGACCAAGGAAACACAGTAATCTTTCAAGAAAGGCAACTTCAGA 432

QY 441 ACTCCAAGGAGTAAAGAGCTGTGTAACAATGCGAAGCCTCCAAGGTGAAATTGAAG 500
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 433 TACTGGAGAAGTTAAACGAATTACTGACAAATATGGAGAAGCTCAAGAGGAATCAGAT 492

QY 501 CTCACACAGATGTTTATCACAACTGGATGAAACAGCCAAAAATCCTGAGA 553
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 493 TTCTTAAAGAGCTATTCCAAAGCTGGAGGAATATATACAGATGAACACTTGA 545

Search completed: September 14, 2004, 02:31:58
Job time : 115 secs
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Sequence 981, App
Sequence 108, App
Sequence 9, Appli
Sequence 29, Appl
Sequence 36, Appl
Sequence 4, Appli
Sequence 10, Appl
Sequence 30, Appl
Sequence 40, Appl
Sequence 41, Appl
Sequence 12, Appl
Sequence 31, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 32, Appl
Sequence 3, Appli
Sequence 32, Appl
Sequence 31, Appl
Sequence 10, Appl
Sequence 4, Appli
Sequence 1598, Ap
Sequence 23, Appl
Sequence 3, Appli
Sequence 667, App
Sequence 15, Appl
Sequence 33, Appl
Sequence 157, App

15 1000.2 66.6 14082 13 US-10-342-887-981
16 1000.2 66.6 14082 13 US-10-172-118-981
17 1000.2 66.6 14082 16 US-10-341-434-108
18 999.8 66.6 3858 10 US-09-845-416-9
19 999.8 66.6 4825 10 US-09-845-416-29
20 999.8 66.6 4848 10 US-09-845-416-36
21 999.8 66.6 5060 10 US-09-845-416-36
22 999 66.6 2169 10 US-09-845-416-4
23 999 66.6 3531 10 US-09-845-416-10
24 999 66.6 4498 10 US-09-845-416-30
25 997 66.4 5339 16 US-10-149-736-40
26 996 66.4 5462 16 US-10-149-736-41
27 847.2 56.4 13815 16 US-10-149-736-2
28 656.8 43.8 3510 10 US-09-845-416-12
29 656.8 43.8 4476 10 US-09-845-416-31
30 652 43.4 1821 10 US-09-845-416-13
31 514 34.2 3446 10 US-09-845-416-14
32 514 34.2 4414 10 US-09-845-416-32
33 503.4 33.5 5417 16 US-10-149-736-39
34 497.8 33.2 1991 10 US-09-845-416-3
35 387 25.8 387 16 US-10-149-736-32
36 348 23.2 348 16 US-10-149-736-4
37 322.4 21.5 333 16 US-10-149-736-10
38 297.2 19.8 11096 16 US-10-152-319A-1598
39 297 19.8 10705 12 US-09-782-378A-23
40 293.4 19.5 10302 9 US-10-149-736-3
41 293.4 19.5 10302 16 US-10-101-510-667
42 281.4 18.7 16531 15 US-10-101-510-667
43 265 17.7 1434 16 US-09-845-416-15
44 261 17.4 324 16 US-10-149-736-33
45 211.6 14.1 5106 13 US-10-220-120-157

ALIGNMENTS

RESULT 1

US-09-845-416-2
; Sequence 2, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-2

Query Match 100.0%; Score 1501; DB 10; Length 4182;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	AGAAGATCTAGAACAAAGCAAGTCAAGGTCCTCAATTTCTTCTCACTCACAATGTTGGTAGT	60
Db	1500	AGAAGATCTAGAACAAAGCAAGTCAAGGTCCTCAATTTCTTCTCACTCACAATGTTGGTAGT	1559
Qy	61	TGATGAATCTAGTGGAGATCAAGCAACTGCTGTTTGGAGAACAACTTAAGGTATTGGG	120
Db	1560	TGATGAATCTAGTGGAGATCAAGCAACTGCTGTTTGGAGAACAACTTAAGGTATTGGG	1619
Qy	121	AGATCGATGGGCAAAACATCTGTAGATGGAAGAGCCGCTGGTCTTTTACAAGACAT	180
Db	1620	AGATCGATGGGCAAAACATCTGTAGATGGAAGAGCCGCTGGTCTTTTACAAGACAT	1679

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OM nucleic - nucleic search, using sw model
Run on: September 14, 2004, 02:18:29 ; Search time 725.333 Seconds
(without alignments)
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Perfect score: 1501
Sequence: 1 agagatctagaacaagaac.....acctcagcactctggaagac 1501

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3304383 seqs, 2515761380 residues

Total number of hits satisfying chosen parameters: 6608766

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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 - 11: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
 - 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2.*
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 - 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1501	100.0	5149	10	US-09-845-416-27
3	1000.2	66.6	3999	10	US-09-845-416-5
4	1000.2	66.6	4966	10	US-09-845-416-28
5	1000.2	66.6	4990	10	US-09-845-416-34
6	1000.2	66.6	8689	16	US-10-149-736-42
7	1000.2	66.6	11058	10	US-09-845-416-1
8	1000.2	66.6	11443	16	US-10-149-736-44
9	1000.2	66.6	12057	16	US-10-149-736-47
10	1000.2	66.6	13957	9	US-09-782-378A-22
11	1000.2	66.6	13957	9	US-09-880-107-2284
12	1000.2	66.6	13957	16	US-10-149-736-1
13	1000.2	66.6	14069	13	US-10-342-887-434
14	1000.2	66.6	14069	13	US-10-172-118-434

181 CCTTCTCAATGCGCAACGCTTTACTGAAGAACAGTGCCTCTTTTAGTGATGCTTTCAGA 240
1680 CCTTCTCAATGCGCAACGCTTTACTGAAGAACAGTGCCTCTTTTAGTGATGCTTTCAGA 1739
241 AAAAGAGATGAGTGAAACAAGATTCACACACTGGCTTTAAAGATCAAAATGAAATGTT 300
1740 AAAAGAGATGAGTGAAACAAGATTCACACACTGGCTTTAAAGATCAAAATGAAATGTT 1799
301 ATCAAGTCTTCAAAACTGCGCTTTTAAAGCGGATCTAGAAAGAAAGAAAGCAATCCAT 360
1800 ATCAAGTCTTCAAAACTGCGCTTTTAAAGCGGATCTAGAAAGAAAGAAAGCAATCCAT 1859
361 GGGCAAACTGTATTCACCTCAAAACAAGATCTTCTTCAACACTGAAGAAATAAGTCAGTGAC 420
1860 GGGCAAACTGTATTCACCTCAAAACAAGATCTTCTTCAACACTGAAGAAATAAGTCAGTGAC 1919
421 CCAGAGCGGAGCATGCTGGATAAATTTTCCCGGCTTGGGATATTTAGTCCAAA 480
1920 CCAGAGCGGAGCATGCTGGATAAATTTTCCCGGCTTGGGATATTTAGTCCAAA 1979
481 ACTTGAAAGAGTACAGCAGACTCATAGATTTACTGCAACAGATTTCCCTCGACCTGGA 540
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601 CCGTAAGGAAAGGCTCTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAACATGCA 660
2100 CCGTAAGGAAAGGCTCTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAACATGCA 2159
661 AGACCTCAAGTGAAATTAAGCTCAACAGATGTTTATCAACCTGGATGAAGAAACAG 720
2160 AGACCTCAAGTGAAATTAAGCTCAACAGATGTTTATCAACCTGGATGAAGAAACAG 2219
721 CCAAAAATCTTGAGATCCCTGGAGGTTCCGATGATGAGCTGCTGTTTACAAAGACGTTT 780
2220 CCAAAAATCTTGAGATCCCTGGAGGTTCCGATGATGAGCTGCTGTTTACAAAGACGTTT 2279
781 GGATTAACATGAACTTCAAGTGAGTGAACTTCGAAAGAGTCTCTCAACATTAAGTCCCA 840
2280 GGATTAACATGAACTTCAAGTGAGTGAACTTCGAAAGAGTCTCTCAACATTAAGTCCCA 2339
841 TTTGGAAGCCAGTTCTGACCACTGGAAGCTGCTGACCTTCTCTGAGGAACTTCTGCT 900
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901 GTGGCTACAGCTGAAAGATGATGAATTAAGCCGCGCAGGCACTTATGAGGCGCACTTTC 960
2400 GTGGCTACAGCTGAAAGATGATGAATTAAGCCGCGCAGGCACTTATGAGGCGCACTTTC 2459
961 AGCAGTTCAAGAGCAGACAGATGATCATAGGCGCTTCAAGGCGCTTGAAGAACTAAAGA 1020
2460 AGCAGTTCAAGAGCAGACAGATGATCATAGGCGCTTCAAGGCGCTTGAAGAACTAAAGA 2519
1021 ACCTGTATCATGATGATCTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTGGA 1080
2520 ACCTGTATCATGATGATCTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTGGA 2579
1081 AGGACTAGAGAACTCTACAGGAGCCAGAGAGCTGCTCTGAGAGAGAGAGCCCGAGAA 1140
2580 AGGACTAGAGAACTCTACAGGAGCCAGAGAGCTGCTCTGAGAGAGAGAGCCCGAGAA 2639
1141 TGTCACTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCAATACTGAGTGGGAAATTTGAA 1200
2640 TGTCACTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCAATACTGAGTGGGAAATTTGAA 2699
1201 CCTGCATCTCGCTGATCGGAGAGAAATAAGATGAGACCCCTTGAAGACTCCAGGAAC 1260
2700 CCTGCATCTCGCTGATCGGAGAGAAATAAGATGAGACCCCTTGAAGACTCCAGGAAC 2759
1261 TCAAGAGCCACCGATGAGCTGAGCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATC 1320

2760 TCAAGAGCCACCGATGAGCTGAGCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATC 2819
1321 CTGGCAGCCCGTGGGCGATCTCTCTCAATGATCTCTTCCCAAGATCACTCGAAGAAATCAA 1380
2820 CTGGCAGCCCGTGGGCGATCTCTCTCAATGATCTCTTCCCAAGATCACTCGAAGAAATCAA 2879
1381 GGCACCTCGAGGAGAAATTTGGCCTCTGAAAGAGACGTCAGCCAGCTCAATGACCTTGC 1440
2880 GGCACCTCGAGGAGAAATTTGGCCTCTGAAAGAGACGTCAGCCAGCTCAATGACCTTGC 2939
1441 TGCCCACTTACACATTTGGGCATTCAGCTCTCACCGTATAACCTCAGCACTCTGGAAGA 1500
2940 TGCCCACTTACACATTTGGGCATTCAGCTCTCACCGTATAACCTCAGCACTCTGGAAGA 2999
1501 C 1501
3000 C 3000

RESULT 2

US-09-845-416-27
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DEL142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-845-416-27

Query Match 100.0%; Score 1501; DB 10; Length 5149;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGAAGATCTAGAACAAAGAACAAAGTCAGGGTCAATTTCTCTCACTCAGATGGTGGTGTAGT 60
DB 2257 AGAAGATCTAGAACAAAGAACAAAGTCAGGGTCAATTTCTCTCACTCAGATGGTGGTGTAGT 2316
QY 61 TCATGAATCTAGTGAGATCAGCAACTGCTGCTTTGGAAGAACAACTTAAGGTATTGGG 120
DB 2317 TCATGAATCTAGTGAGATCAGCAACTGCTGCTTTGGAAGAACAACTTAAGGTATTGGG 2376
QY 121 AGATCGATGGGCAACATCTCTAGATGACAGAACCGCTGGGTCTTTTACAAGACAT 180
DB 2377 AGATCGATGGGCAACATCTCTAGATGACAGAACCGCTGGGTCTTTTACAAGACAT 2436
QY 181 CCTTCTCAATGGCAACGCTCTTACTGAGAACAGTGCCTTTTGTGATGATGCTTTTTCAGA 240
DB 2437 CCTTCTCAATGGCAACGCTCTTACTGAGAACAGTGCCTTTTGTGATGATGCTTTTTCAGA 2496
QY 241 AAAAGAGATGAGTGAAACAAGATTTCAACAACCTGGCTTTAAAGATCAAAATGAAATGTT 300
DB 2497 AAAAGAGATGAGTGAAACAAGATTTCAACAACCTGGCTTTAAAGATCAAAATGAAATGTT 2556
QY 301 ATCAAGTCTTCAAAACTGGCGGTTTAAAGCGGATCTAGAAAGAAAGAAAGCAATCCAT 360
DB 2557 ATCAAGTCTTCAAAACTGGCGGTTTAAAGCGGATCTAGAAAGAAAGAAAGCAATCCAT 2616
QY 361 GGGCAAACTGTATTCACCTCAAAACAAGATCTTCTTCAACACTGAAGAAATAAGTCAGTGAC 420
DB 2617 GGGCAAACTGTATTCACCTCAAAACAAGATCTTCTTCAACACTGAAGAAATAAGTCAGTGAC 2676

QY	421	CCAGAAGACGGAAGCATGGCTGATTAACCTTTGCCCGGTGTGGGATAATTTAGTTCGAAAA	480
Db	2677	CCAGAAGACGGAAGCATGGCTGATTAACCTTTGCCCGGTGTGGGATAATTTAGTTCGAAAA	2736
QY	481	ACTTCGAAAGAGTACAGCAGAGACTCATAGATTACTGCAACAGTTGCCCTCGACCTGGGA	540
Db	2737	ACTTCGAAAGAGTACAGCAGAGACTCATAGATTACTGCAACAGTTGCCCTCGACCTGGGA	2796
QY	541	AAAGTTTCTTCGGCTGTACAGAGCTGAAACAACTGCGCATGTCCTACAGGATGCTAC	600
Db	2797	AAAGTTTCTTCGGCTGTACAGAGCTGAAACAACTGCGCATGTCCTACAGGATGCTAC	2856
QY	601	CGGTAAAGAAAGGCTCTAGAGACTCCAAGGGAGTAAAGAGCTGATGAAACAATGGCA	660
Db	2857	CGGTAAAGAAAGGCTCTAGAGACTCCAAGGGAGTAAAGAGCTGATGAAACAATGGCA	2916
QY	661	AGACCTCCAGAGTCGAAATTCAGCTCACAACAGATGTTTATCACACCTGGATGAARACAG	720
Db	2917	AGACCTCCAGAGTCGAAATTCAGCTCACAACAGATGTTTATCACACCTGGATGAARACAG	2976
QY	721	CGAAAAATCCTGAGATCCCTGGAAGGTTCCGATGATGCAAGTCTCTGTTTACAAAGACGTTT	780
Db	2977	CGAAAAATCCTGAGATCCCTGGAAGGTTCCGATGATGCAAGTCTCTGTTTACAAAGACGTTT	3036
QY	781	GGATAACATGAATTCAGGTGAGTGAACCTTCGGAAGAAGTCTCTCAACATTAGGTCCCA	840
Db	3037	GGATAACATGAATTCAGGTGAGTGAACCTTCGGAAGAAGTCTCTCAACATTAGGTCCCA	3096
QY	841	TTTGAAGCCAGTTCTGACACAGTGGAGGCTGTGCAACCTTCTCTGACAGGAACCTCTCGT	900
Db	3097	TTTGAAGCCAGTTCTGACACAGTGGAGGCTGTGCAACCTTCTCTGACAGGAACCTCTCGT	3156
QY	901	GTGGCTACAGCTGAAGACATCATGAATTAAGCCGGCAGGCACCTATTTCGAGCGCATTTTC	960
Db	3157	GTGGCTACAGCTGAAGACATCATGAATTAAGCCGGCAGGCACCTATTTCGAGCGCATTTTC	3216
QY	961	AGCAGTTCAGAGCAGAAACGATGTACATAGGGCTTCAAGAGGGAAATTGAAAACTAAAGA	1020
Db	3217	AGCAGTTCAGAGCAGAAACGATGTACATAGGGCTTCAAGAGGGAAATTGAAAACTAAAGA	3276
QY	1021	ACCTGTATCATGATGATCTCTTCAGACTGTGAGAAATTTTCTGACAGAGCAGCCTTTGGA	1080
Db	3277	ACCTGTATCATGATGATCTCTTCAGACTGTGAGAAATTTTCTGACAGAGCAGCCTTTGGA	3336
QY	1081	AGGACTAGAGAAACTTACAGAGGCCACAGAGCTGCTCTCTGAGGAGAGAGCCCGAGAA	1140
Db	3337	AGGACTAGAGAAACTTACAGAGGCCACAGAGCTGCTCTCTGAGGAGAGAGCCCGAGAA	3396
QY	1141	TGTCACCTCGGCTTCTACGAAGCAGGCTGAGAGAGTCAATACTGATGGGAAAAATTGAA	1200
Db	3397	TGTCACCTCGGCTTCTACGAAGCAGGCTGAGAGAGTCAATACTGATGGGAAAAATTGAA	3456
QY	1201	CCTGACTTCGCTGACTGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTTCAGGAACT	1260
Db	3457	CCTGACTTCGCTGACTGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTTCAGGAACT	3516
QY	1261	TCAGAGGCCACGGATGAGCTGCACCTCAAGCTTGGCCAAAGCTGAGGTGATCAAGGGATC	1320
Db	3517	TCAGAGGCCACGGATGAGCTGCACCTCAAGCTTGGCCAAAGCTGAGGTGATCAAGGGATC	3576
QY	1321	CTGGCAGCCCGTGGGCGATCTCTCATTTGACTCTCTCCAGATCACTCTCGAGAAAGTCAA	1380
Db	3577	CTGGCAGCCCGTGGGCGATCTCTCATTTGACTCTCTCCAGATCACTCTCGAGAAAGTCAA	3636
QY	1381	GGCAGTTCGAGGAGAAATTCGGCTCTGAAAGAGAAACGTCGAGCCACGTCATGACCTTGC	1440
Db	3637	GGCAGTTCGAGGAGAAATTCGGCTCTGAAAGAGAAACGTCGAGCCACGTCATGACCTTGC	3696
QY	1441	TCGCCAGCTTACACTTTGGGCAATTCAGCTCTCAACGTTATTAACCTCAGCACTCTGGAGA	1500
Db	3697	TCGCCAGCTTACCACTTTGGGCAATTCAGCTCTCAACGTTATTAACCTCAGCACTCTGGAGA	3756
QY	1501	C	1501

Db 3757 C 3757

RESULT 3

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US-09-845-416-6
; Sequence 6, Application US/09845416
; Publication No: US2003017132A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DB1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 3999
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-6

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Query Match	66.8%	Score 1000.2	DB 10	Length 3999
Best Local Similarity	99.7%	Pred. No. 1.3e-299		
Matches 1002	Conservative 0	Mismatches 3	Indels 0	Gaps 0
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QY	557	CTTACAGAGCTGAACCAACTCCCAATGTCCTACAGAGTGTACCCCTTAGGAAGAGCTC	616	
DB	1873	CTTACAGAGCTGAACCAACTCCCAATGTCCTACAGAGTGTACCCCTTAGGAAGAGCTC	1932	
QY	617	CTAGAAGACTCCAAAGGAGGTAAAGAGCTGTATGAACAATGGCAAGACCTCCCAAGGTGAA	676	
DB	1933	CTAGAAGACTCCAAAGGAGGTAAAGAGCTGTATGAACAATGGCAAGACCTCCCAAGGTGAA	1992	
QY	677	ATTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAAACAGCAAAAAATCCTTGAGA	736	
DB	1993	ATTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAAACAGCAAAAAATCCTTGAGA	2052	
QY	737	TCCCTGGAAGGTTCCGATGATGAGTCCTGTTTACAAGACGTTTGGATATCATGAACTTC	796	
DB	2053	TCCCTGGAAGGTTCCGATGATGAGTCCTGTTTACAAGACGTTTGGATATCATGAACTTC	2112	
QY	797	AAGTGGAGTGAACTTCGGAAAAAGTCTCTCAACATTAGTGTCCCATTTGGGAAGCCAGTTCT	856	
DB	2113	AAGTGGAGTGAACTTCGGAAAAAGTCTCTCAACATTAGTGTCCCATTTGGGAAGCCAGTTCT	2172	
QY	857	GACCAGTGGAAAGGCTCTGCACCTTTCTCTCGCAGGAACCTTCGTGTGCGCTACAGCTGAAA	916	
DB	2173	GACCAGTGGAAAGGCTCTGCACCTTTCTCTCGCAGGAACCTTCGTGTGCGCTACAGCTGAAA	2232	
QY	917	GATGATGAAATTAAGCCGGCAGGCACTATTGGAGCGCACTTTCAGCAGTTTCAGAAAGCAG	976	
DB	2233	GATGATGAAATTAAGCCGGCAGGCACTATTGGAGCGCACTTTCAGCAGTTTCAGAAAGCAG	2292	
QY	977	AACGATGCTACATAGGCGCTTCAAGAGGGAATTGAATACTAAAGAACCTGTAAATCATGAGT	1036	
DB	2293	AACGATGCTACATAGGCGCTTCAAGAGGGAATTGAATACTAAAGAACCTGTAAATCATGAGT	2352	
QY	1037	ACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCCCTTTGGGAAGACTTAGAGAACTC	1096	
DB	2353	ACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCCCTTTGGGAAGACTTAGAGAACTC	2412	
QY	1097	TACCAGGAGCCACAGAGCTGGCTCCTCAGGAGAGAGCCAGAATGTCACTCGGCTTCTA	1156	
DB	2413	TACCAGGAGCCACAGAGCTGGCTCCTCAGGAGAGAGCCAGAATGTCACTCGGCTTCTA	2472	

1501 C 1501

QY 1157 CGAAGCAGGCTGAGGAGTCAATCTAGTGGGAAAAATTAACCTGCACCTCCGCTGAC 1216
 Db CGAAGCAGGCTGAGGAGTCAATCTAGTGGGAAAAATTAACCTGCACCTCCGCTGAC 2532
 QY 1217 TGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCAAGAGCCACGGAT 1276
 Db TGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCAAGAGCCACGGAT 2592
 QY 1277 GAGCTGGACCTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGGATCTTGGCAGCCCGTGGGC 1336
 Db GAGCTGGACCTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGGATCTTGGCAGCCCGTGGGC 2652
 QY 1337 GATCTCCTCATTTGACTCTCTCCAAAGTCACTCGAGAAAGTCAAGGCATTCGAGGAAA 1396
 Db GATCTCCTCATTTGACTCTCTCCAAAGTCACTCGAGAAAGTCAAGGCATTCGAGGAAA 2712
 QY 1397 ATTGGCCCTCTGAAAGAGAAAGTGAAGCAGTCAATGACCTTGTCTGCGCAGCTTACCACT 1456
 Db ATTGGCCCTCTGAAAGAGAAAGTGAAGCAGTCAATGACCTTGTCTGCGCAGCTTACCACT 2772
 QY 1457 TTGGGCAATTCAGCTCTCACCCTATTAACCTCAGCACTCTGGAAGAC 1501
 Db TTGGGCAATTCAGCTCTCACCCTATTAACCTCAGCACTCTGGAAGAC 2817

RESULT 4

US-09-845-416-28
 ; Sequence 28, Application US/09845416
 ; Publication No. US20030171312A1
 ; GENERAL INFORMATION:
 ; APPLICANT: XIAO, XIAO
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
 ; FILE REFERENCE: DE1142
 ; CURRENT APPLICATION NUMBER: US/09/845,416
 ; PRIOR FILING DATE: 2001-04-30
 ; PRIOR APPLICATION NUMBER: 60/200,777
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 36
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 28
 ; LENGTH: 4966
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-845-416-28

Query Match 66.6%; Score 1000.2; DB 10; Length 4966;
 Best Local Similarity 99.7%; Pred. No. 1.5e-299;
 Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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 Db GTACCTACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTCTTGGCTGG 2629
 QY 557 CTTACAGAGCTGAACAACTGCCAATGCTCTACAGATGCTACCCCTAAGGAAAGCTC 616
 Db CTTACAGAGCTGAACAACTGCCAATGCTCTACAGATGCTACCCCTAAGGAAAGCTC 2689
 QY 617 CTAGAAGACTCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAAGGTGAA 676
 Db CTAGAAGACTCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGACCTCCAAAGGTGAA 2749
 QY 677 ATTGAAGCTCACAGATGTTTATACAACTGATGAAACAGCCAAAAATTCCTGAGA 736
 Db ATTGAAGCTCACAGATGTTTATACAACTGATGAAACAGCCAAAAATTCCTGAGA 2809
 QY 737 TCCCTGGAAGGTTCCGATGATGAGTCTCTGTATCAAAAGAGCTTTGGATAACATGAATTC 796
 Db TCCCTGGAAGGTTCCGATGATGAGTCTCTGTATCAAAAGAGCTTTGGATAACATGAATTC 2869
 QY 797 AAGTGGAGTGAACCTTGGAAAAAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTCT 856
 Db AAGTGGAGTGAACCTTGGAAAAAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTCT 2929

QY 857 GACCAGTGGAGAGCTCTGCACCTTTCTCTCAGGAACTTCTGGTGTGGCTACAGCTGAAA 916
 Db GACCAGTGGAGAGCTCTGCACCTTTCTCTCAGGAACTTCTGGTGTGGCTACAGCTGAAA 2989
 QY 917 GATGATGAATTAAGCCGGCAGGCAACCTATTGGAGGCGACTTTCCAGCAGTTCCAGAGCAG 976
 Db GATGATGAATTAAGCCGGCAGGCAACCTATTGGAGGCGACTTTCCAGCAGTTCCAGAGCAG 3049
 QY 977 AACGATGTCATAGGCGCTTCAAGAGGGAATTAAGAACTTAAGAACTTAATCATGACT 1036
 Db AACGATGTCATAGGCGCTTCAAGAGGGAATTAAGAACTTAAGAACTTAATCATGACT 3109
 QY 1037 ACTCTTGAGACTCTACGAATATTCTGACAGAGCAGCCTTTTGAAGGACTAGAGAACTC 1096
 Db ACTCTTGAGACTCTACGAATATTCTGACAGAGCAGCCTTTTGAAGGACTAGAGAACTC 3169
 QY 1097 TACAGAGCCCAAGAGAGCTGCTCTCTGAGGAGAGAGCCAGAACTGCTCGCTTCTA 1156
 Db TACAGAGCCCAAGAGAGCTGCTCTCTGAGGAGAGAGCCAGAACTGCTCGCTTCTA 3229
 QY 1157 CGAAGCAGGCTGAGGAGGTCAATCTAGTGGGAAAAATTAAGAACTGCACTCCGCTGAC 1216
 Db CGAAGCAGGCTGAGGAGGTCAATCTAGTGGGAAAAATTAAGAACTGCACTCCGCTGAC 3289
 QY 1217 TGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCAAGAGCCACGGAT 1276
 Db TGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCAAGAGCCACGGAT 3349
 QY 1277 GAGCTGACCTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGGATCTTGGCAGCCCGTGGGC 1336
 Db GAGCTGACCTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGGATCTTGGCAGCCCGTGGGC 3409
 QY 1337 GATCTCCTCATTTGACTCTCTCCAAAGTCACTCGAGAAAGTCAAGGCATTCGAGGAAA 1396
 Db GATCTCCTCATTTGACTCTCTCCAAAGTCACTCGAGAAAGTCAAGGCATTCGAGGAAA 3469
 QY 1397 ATTGGCCCTCTGAAAGAGAACTGAGCCAGTCAATGACCTTGTCTGCGCAGCTTACCACT 1456
 Db ATTGGCCCTCTGAAAGAGAACTGAGCCAGTCAATGACCTTGTCTGCGCAGCTTACCACT 3529
 QY 1457 TTGGGCAATTCAGCTCTCACCCTATTAACCTCAGCACTCTGGAAGAC 1501
 Db TTGGGCAATTCAGCTCTCACCCTATTAACCTCAGCACTCTGGAAGAC 3574

RESULT 5

US-09-845-416-34
 ; Sequence 34, Application US/09845416
 ; Publication No. US20030171312A1
 ; GENERAL INFORMATION:
 ; APPLICANT: XIAO, XIAO
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
 ; FILE REFERENCE: DE1142
 ; CURRENT APPLICATION NUMBER: US/09/845,416
 ; PRIOR FILING DATE: 2001-04-30
 ; PRIOR APPLICATION NUMBER: 60/200,777
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 36
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 34
 ; LENGTH: 4990
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-845-416-34

Query Match 66.6%; Score 1000.2; DB 10; Length 4990;
 Best Local Similarity 99.7%; Pred. No. 1.5e-299;
 Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 497 GCACAGACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTCTTGGCTGG 556

Db 2594 GTACCTACTCATAGATTACTGCAACAGTTCCCTCGGACCTGGAAAAAGTTTCTTGCCTGG 2653
QY 557 CTTACAGAGCTGAACAACTGCAATGCTTACAGGATGCTACCCGTAAGAAAGGCTC 616
Db 2654 CTTACAGAGCTGAACAACTGCAATGCTTACAGGATGCTACCCGTAAGAAAGGCTC 2713
QY 617 CTTAGAGACTCCAAAGGAGTAAAGAGCTGATGAAACAAATGCAAGACTCCAAAGTGAA 676
Db 2714 CTTAGAGACTCCAAAGGAGTAAAGAGCTGATGAAACAAATGCAAGACTCCAAAGTGAA 2773
QY 677 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAACAGCCAAATAATCTGAGA 736
Db 2774 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAACAGCCAAATAATCTGAGA 2833
QY 737 TCCTCGAAGTTCCGATGATGAGTCTGTTTACAAAGACGTTTGGATAACATGAACCTTC 796
Db 2834 TCCTCGAAGTTCCGATGATGAGTCTGTTTACAAAGACGTTTGGATAACATGAACCTTC 2893
QY 797 AAGTGAGTGAACCTTCGGAAGAGTCTCTCAACATTTAGTGTCCATTTTGGAGCCAGTTCT 856
Db 2894 AAGTGAGTGAACCTTCGGAAGAGTCTCTCAACATTTAGTGTCCATTTTGGAGCCAGTTCT 2953
QY 857 GACCACTGGAAGCGTCTGACCTTTCTCTGAGGAACTTCTGGTGTGCTACAGCTGAAA 916
Db 2954 GACCACTGGAAGCGTCTGACCTTTCTCTGAGGAACTTCTGGTGTGCTACAGCTGAAA 3013
QY 917 GATGATGAATTAAAGCGGAGCAGCAGCTATTGGAGCGACTTTCACAGAGTTCAGAGCAG 976
Db 3014 GATGATGAATTAAAGCGGAGCAGCAGCTATTGGAGCGACTTTCACAGAGTTCAGAGCAG 3073
QY 977 AAGCATGTATAGAGCGCTTCAAGAGGAAATTAAGAACTTAAAGAACTTGTATCATGAGT 1036
Db 3074 AAGCATGTATAGAGCGCTTCAAGAGGAAATTAAGAACTTAAAGAACTTGTATCATGAGT 3133
QY 1037 ACTCTTGAGACTGTACGAATATTTCTGACAGAGCGCTTTTGGAGGAGTACAGAACTC 1096
Db 3134 ACTCTTGAGACTGTACGAATATTTCTGACAGAGCGCTTTTGGAGGAGTACAGAACTC 3193
QY 1097 TACAGAGCGCCAGAGAGTGGCTCTCTGAGGAGAGCGCCAGAAATGTCACTCGGCTTCTA 1156
Db 3194 TACAGAGCGCCAGAGAGTGGCTCTCTGAGGAGAGCGCCAGAAATGTCACTCGGCTTCTA 3253
QY 1157 CGAAGCAGCTGAGAGTCAATCTGAGTGGGAAATTAAGAACTTAAAGAACTTGTATCATGAGT 1216
Db 3254 CGAAGCAGCTGAGAGTCAATCTGAGTGGGAAATTAAGAACTTAAAGAACTTGTATCATGAGT 3313
QY 1217 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAAGAGCGCCACGGAT 1276
Db 3314 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAAGAGCGCCACGGAT 3373
QY 1277 GAGCTGAGCTCAAGCTGCGCAAGCTGAGTGAATCAAGGATCTGCGACCTCGCTGAGC 1336
Db 3374 GAGCTGAGCTCAAGCTGCGCAAGCTGAGTGAATCAAGGATCTGCGACCTCGCTGAGC 3433
QY 1337 GATCTCTCATTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGGAGAA 1396
Db 3434 GATCTCTCATTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGGAGAA 3493
QY 1397 ATTGGCCCTTGAAGAGAACTGAGCAGCTCAATGACTTCTGCGCCAGCTTACCACT 1456
Db 3494 ATTGGCCCTTGAAGAGAACTGAGCAGCTCAATGACTTCTGCGCCAGCTTACCACT 3553
QY 1457 TTGGGCAATTCAGCTCTCAAGCTTAACTTCAGCACTCTGGAAGAC 1501
Db 3554 TTGGGCAATTCAGCTCTCAAGCTTAACTTCAGCACTCTGGAAGAC 3598

RESULT 6

US-10-149-736-42
; Sequence 42, Application US/10149736
; Publication No. US20030216332A1
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.

; APPLICANT: Harper, Scott Q.
; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
; FILE REFERENCE: UM-06968
; CURRENT APPLICATION NUMBER: US/10/149,736
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US01/31126
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/238,848
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 8689
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-149-736-42

Query Match 66.6%; Score 1000.2; DB 16; Length 8689;
Best Local Similarity 99.7%; Pred. No. 2.2e-299;
Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 497 GCACAGACTCATAGATTACTGCAACAGTTCCCTCGGACCTGGAAAAAGTTTCTTGCCTGG 556
Db 2993 GAAGAACTCATAGATTACTGCAACAGTTCCCTCGGACCTGGAAAAAGTTTCTTGCCTGG 3052
QY 557 CTTACAGAGCTGAACAACTGCTCCAAATGCTTACAGGATGCTACCCGTAAGAAAGGCTC 616
Db 3053 CTTACAGAGCTGAACAACTGCTCCAAATGCTTACAGGATGCTACCCGTAAGAAAGGCTC 3112
QY 617 CTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAAACAAATGCGAAGACCTCCAAAGTGAA 676
Db 3113 CTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAAACAAATGCGAAGACCTCCAAAGTGAA 3172
QY 677 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAACAGCCAAATAATCTGAGA 736
Db 3173 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAACAGCCAAATAATCTGAGA 3232
QY 737 TCCTCGAAGTTCCGATGATGAGTCTCTGTTTACAAAGACCTTTGGATAACATGAACCTTC 796
Db 3233 TCCTCGAAGTTCCGATGATGAGTCTCTGTTTACAAAGACCTTTGGATAACATGAACCTTC 3292
QY 797 AAGTGAGTGAACCTTCGGAAGAGTCTCTCAACATGAGTCCATTTGGAGCGCAAGTTCT 856
Db 3293 AAGTGAGTGAACCTTCGGAAGAGTCTCTCAACATGAGTCCATTTGGAGCGCAAGTTCT 3352
QY 857 GACCACTGGAAGCGCTCTGACCTTTCTCTGAGGAACTTCAAGAGCGCTACAGCTGAAA 916
Db 3353 GACCACTGGAAGCGCTCTGACCTTTCTCTGAGGAACTTCAAGAGCGCTACAGCTGAAA 3412
QY 917 GATGATGAATTAAAGCGGAGCAGCCTTATTGGAGCGGACTTTCCAGAGTTCAGAGCAG 976
Db 3413 GATGATGAATTAAAGCGGAGCAGCCTTATTGGAGCGGACTTTCCAGAGTTCAGAGCAG 3472
QY 977 AACGATGTACATAGAGCGCTTCAAGAGGAAATTAAGAACTTAAAGAACTTGAATCATGAGT 1036
Db 3473 AACGATGTACATAGAGCGCTTCAAGAGGAAATTAAGAACTTGAATCATGAGT 3532
QY 1037 ACTCTTGAGCTGTACGAATATTTCTGACAGAGCGCTTTGGAGGAGTACAGAACTC 1096
Db 3533 ACTCTTGAGCTGTACGAATATTTCTGACAGAGCGCTTTGGAGGAGTACAGAACTC 3592
QY 1097 TACCAAGGCGCCAGAGAGCTGCTCTCTGAGGAGAGCGCCAGAAATGTCACTCGGCTTCTA 1156
Db 3593 TACCAAGGCGCCAGAGAGCTGCTCTCTGAGGAGAGCGCCAGAAATGTCACTCGGCTTCTA 3652
QY 1157 CGAAAGCAGGCTGAGGAGGTCATTAAGTGGGAAAAATTAAGAACTTGAACCTTGCCTCGCTGAC 1216
Db 3653 CGAAAGCAGGCTGAGGAGGTCATTAAGTGGGAAAAATTAAGAACTTGAACCTTGCCTCGCTGAC 3712
QY 1217 TGGCAGAGAAAATAGATGAGACCTTCAAGAGTCCAGGAACTTCAAGAGCGCCACGGAT 1276

Db 3713 TGGCAGAGAAAAATAGATGAGACCCCTTGAAGAAGCTCCAGGAACTTTCAAGAGGCCACGGAT 3772
 QY 1277 GAGCTGGACCTCAAGCTGGGCCCAAGCTGAGGTGATCAAGGGATCTCTGGCAGGCCCTGGGC 1336
 Db 3773 GAGCTGGACCTCAAGCTGGGCCCAAGCTGAGGTGATCAAGGGATCTCTGGCAGGCCCTGGGC 3832
 QY 1337 GATCTCCTCATTTGACTCTCTCCAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGAA 1396
 Db 3833 GATCTCCTCATTTGACTCTCTCCAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGAA 3892
 QY 1397 ATTGCCCTCTGAAAGAGAAAGTGAAGCAAGTCAATGACCTTCTGCGCAGCTTACCACT 1456
 Db 3893 ATTGCCCTCTGAAAGAGAAAGTGAAGCAAGTCAATGACCTTCTGCGCAGCTTACCACT 3952
 QY 1457 TTGGGCATTGAGTCTCAACCGTATACCTTCAGCACTCTGGAAGAC 1501
 Db 3953 TTGGGCATTGAGTCTCAACCGTATACCTTCAGCACTCTGGAAGAC 3997

RESULT 7

US-09-845-416-1
 ; Sequence 1, Application US/09845416
 ; Publication No. US2003017132A1
 ; GENERAL INFORMATION:
 ; APPLICANT: XIAO, XIAO
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
 ; FILE REFERENCE: DE1142
 ; CURRENT APPLICATION NUMBER: US/09/845,416
 ; CURRENT FILING DATE: 2001-04-30
 ; PRIOR APPLICATION NUMBER: 60/200,777
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 36
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 11058
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-845-416-1

Query Match 66.6%; Score 1000.2; DB 10; Length 11058;
 Best Local Similarity 99.7%; Pred. No. 2.6e-299;
 Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 497 GCACAGCTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAGAAAGTTTCTTGGCTGG 556
 Db 8053 GAAGAACTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAGAAAGTTTCTTGGCTGG 8112
 QY 557 CTTACAGAGCTGAAACAACTGCGAATGCTCTACAGGATGCTACCGTAAAGAAAGCTC 616
 Db 8113 CTTACAGAGCTGAAACAACTGCGAATGCTCTACAGGATGCTACCGTAAAGAAAGCTC 8172
 QY 617 CTAGAAGACTCCAGGGAGTAAAGAGCTGATGAACAACTGCGAAGACCTCCAGAGTGA 676
 Db 8173 CTAGAAGACTCCAGGGAGTAAAGAGCTGATGAACAACTGCGAAGACCTCCAGAGTGA 8232
 QY 677 ATTGAAGCTCACAGATGTTTATCAACCTGGATGAAACAGCCAAAATCTCTGAGA 736
 Db 8233 ATTGAAGCTCACAGATGTTTATCAACCTGGATGAAACAGCCAAAATCTCTGAGA 8292
 QY 737 TCCCTGGAAGTTCGGATGATGCTCTGTTACAAAGAGCTTGGATACATGAATTC 796
 Db 8293 TCCCTGGAAGTTCGGATGATGCTCTGTTACAAAGAGCTTGGATACATGAATTC 8352
 QY 797 AAGTGGAGTGAACCTCGGAAAAGTCTCTCAACATTAGTCCCAATTTGGAGCCAGTTCT 856
 Db 8353 AAGTGGAGTGAACCTCGGAAAAGTCTCTCAACATTAGTCCCAATTTGGAGCCAGTTCT 8412
 QY 857 GACCAGTGGAGCTCTGCACCTTCTCTCGAGAACTTCTGTGTGGCTACAGCTGAAA 916
 Db 8413 GACCAGTGGAGCTCTGCACCTTCTCTCGAGAACTTCTGTGTGGCTACAGCTGAAA 8472
 QY 917 GATGATGAATTAAGCCGGCAGGCCACCTATTGGAGGCGACTTTCCAGCAGTTTCAGAGCAG 976

Db 8473 GATGATGAATTAAGCCGGCAGGCCACCTATTGGAGGCGACTTTCCAGCAGTTTCAGAGCAG 8532
 QY 977 AACGATGTACATAGGGCCCTTCAAGAGGGAATTGAAAACCTAAGAACTGTATCATGAGT 1036
 Db 8533 AACGATGTACATAGGGCCCTTCAAGAGGGAATTGAAAACCTAAGAACTGTATCATGAGT 8592
 QY 1037 ACTCTTGAGACTGTACGAATATTCTTGACAGACAGCCCTTTGGAAGCACTAGAGAACTC 1096
 Db 8593 ACTCTTGAGACTGTACGAATATTCTTGACAGACAGCCCTTTGGAAGCACTAGAGAACTC 8652
 QY 1097 TACAGAGAGCCAGAGAGCTGCTCTCTGAGGAGAGAGCCCAAGATGTCTCTCGGCTTCTA 1156
 Db 8653 TACAGAGAGCCAGAGAGCTGCTCTCTGAGGAGAGAGCCCAAGATGTCTCTCGGCTTCTA 8712
 QY 1157 CGAAGCAGGCTCAGAGAGTCAATATCTGAGTGGGAAAAATTTGAACTCGACCTCCGCTGAC 1216
 Db 8713 CGAAGCAGGCTCAGAGAGTCAATATCTGAGTGGGAAAAATTTGAACTCGACCTCCGCTGAC 8772
 QY 1217 TGGCAGAGAAAAATAGATGAGACCCCTTGAAGAAGCTCCAGGAACTTCAAGAGGCCACGGAT 1276
 Db 8773 TGGCAGAGAAAAATAGATGAGACCCCTTGAAGAAGCTCCAGGAACTTCAAGAGGCCACGGAT 8832
 QY 1277 GAGCTGGACCTCAAGCTGGGCCCAAGCTGAGGTGATCAAGGGATCTCTGGCAGGCCCTGGGC 1336
 Db 8833 GAGCTGGACCTCAAGCTGGGCCCAAGCTGAGGTGATCAAGGGATCTCTGGCAGGCCCTGGGC 8892
 QY 1337 GATCTCCTCATTTGACTCTCTCCAAGATCACCTCGAAGAAAGTCAAGGCACTTTCGAGAGAA 1396
 Db 8893 GATCTCCTCATTTGACTCTCTCCAAGATCACCTCGAAGAAAGTCAAGGCACTTTCGAGAGAA 8952
 QY 1397 ATTGGCCCTCTGAAAGAGAACTGAGGACCTGAGCTCAATGACCTTCTGCGCAGCTTACCACT 1456
 Db 8953 ATTGGCCCTCTGAAAGAGAACTGAGGACCTGAGCTCAATGACCTTCTGCGCAGCTTACCACT 9012
 QY 1457 TTGGGCATTGAGTCTCAACCGTATACCTTCAGCACTCTGGAAGAC 1501
 Db 9013 TTGGGCATTGAGTCTCAACCGTATACCTTCAGCACTCTGGAAGAC 9057

RESULT 8

US-10-149-736-44
 ; Sequence 44, Application US/10149736
 ; Publication No. US20030216332A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chamberlain, Jeffrey S.
 ; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
 ; FILE REFERENCE: UM-06968
 ; CURRENT FILING DATE: 2002-06-17
 ; PRIOR APPLICATION NUMBER: PCT/US01/31126
 ; PRIOR FILING DATE: 2001-10-04
 ; PRIOR APPLICATION NUMBER: 60/238,848
 ; PRIOR FILING DATE: 2000-10-06
 ; NUMBER OF SEQ ID NOS: 96
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 44
 ; LENGTH: 11443
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic
 US-10-149-736-44

Query Match 66.6%; Score 1000.2; DB 16; Length 11443;
 Best Local Similarity 99.7%; Pred. No. 2.7e-299;
 Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 497 GCACAGATCTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAGAAAGTTTCTTGGCTGG 556
 Db 5747 GAAGAAACTCATAGATTACTGCAACAGTTCCCTGGACCTGGAAGAAAGTTTCTTGGCTGG 5806

QY 557 CTTACAGAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCCGTAAGGAAAGGCTC 616
Db 5807 CTTACAGAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCCGTAAGGAAAGGCTC 5866
QY 617 CTTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACCAATGCGAAGACCTCCAAAGGTGAA 676
Db 5867 CTTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACCAATGCGAAGACCTCCAAAGGTGAA 5926
QY 677 ATTGAAGCTCACACAGATGTTTATCAAACTGGATGAAGAAACAGCCAAATAATCTTGAGA 736
Db 5927 ATTGAAGCTCACACAGATGTTTATCAAACTGGATGAAGAAACAGCCAAATAATCTTGAGA 5986
QY 737 TCCCTGGAGGTTCCGATGATGCACTCTCTGACAGGAACTTCTGGTGTGCTACAGCTGAAA 796
Db 5987 TCCCTGGAGGTTCCGATGATGCACTCTCTGACAGGAACTTCTGGTGTGCTACAGCTGAAA 6046
QY 797 AAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGGTGCCATTTTGGAGGCCAGCTTCT 856
Db 6047 AAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGGTGCCATTTTGGAGGCCAGCTTCT 6106
QY 857 GACAGTGGAGGCTCTGACACCTTTCTCTGACAGGAACTTCTGGTGTGCTACAGCTGAAA 916
Db 6107 GACAGTGGAGGCTCTGACACCTTTCTCTGACAGGAACTTCTGGTGTGCTACAGCTGAAA 6166
QY 917 GATGATGAATTAAGCCGGCAGGACCTATTGAGGCGGACTTTCCACAGAGTTTCCAGAGCAG 976
Db 6167 GATGATGAATTAAGCCGGCAGGACCTATTGAGGCGGACTTTCCACAGAGTTTCCAGAGCAG 6226
QY 977 AACGATGTACATAGGCGCTTCAAGAGGGAATTTGAAATTAAGAAACCTGTATCATGAGT 1036
Db 6227 AACGATGTACATAGGCGCTTCAAGAGGGAATTTGAAATTAAGAAACCTGTATCATGAGT 6286
QY 1037 ACTCTTGAGACTGTACGAAATTTCTGACAGAGCAGCTTTTGGAGGAGTACAGAGAACTC 1096
Db 6287 ACTCTTGAGACTGTACGAAATTTCTGACAGAGCAGCTTTTGGAGGAGTACAGAGAACTC 6346
QY 1097 TACCAGGAGCCAGAGAGCTGCTCTGAGGAGAGGAGCCAGAAATGTCACTCGGCTTCTA 1156
Db 6347 TACCAGGAGCCAGAGAGCTGCTCTGAGGAGAGGAGCCAGAAATGTCACTCGGCTTCTA 6406
QY 1157 CGAAGCAGGCTGAGGAGTCAATCTGAGTGGGAAATTTGAACCTGCATCTCGGCTGAC 1216
Db 6407 CGAAGCAGGCTGAGGAGTCAATCTGAGTGGGAAATTTGAACCTGCATCTCGGCTGAC 6466
QY 1217 TGGCAGAGAAAATAGATGAGACCTTGAAGACCTCCAGGAACTTCAAGAGGCCACCGAT 1276
Db 6467 TGGCAGAGAAAATAGATGAGACCTTGAAGACCTCCAGGAACTTCAAGAGGCCACCGAT 6526
QY 1277 GAGCTGGACCTCAAGCTGGCCCAAGCTGAGGTGATCAAGGGATCTTGGAGCCCGTGGGC 1336
Db 6527 GAGCTGGACCTCAAGCTGGCCCAAGCTGAGGTGATCAAGGGATCTTGGAGCCCGTGGGC 6586
QY 1337 GATCTCTCATTTGACTCTCTCAAGATCACCTCGAGAAAGTCAAGGCACTTTCAGAGGAA 1396
Db 6587 GATCTCTCATTTGACTCTCTCAAGATCACCTCGAGAAAGTCAAGGCACTTTCAGAGGAA 6646
QY 1397 ATTGGCCCTCTGAAGAGAACCTGAGCCACCTGCAATGACCTTTGCTCGCCAGCTTACCCT 1456
Db 6647 ATTGGCCCTCTGAAGAGAACCTGAGCCACCTGCAATGACCTTTGCTCGCCAGCTTACCCT 6706
QY 1457 TTGGGCAATTCAGCTCTCCCGTATTAACCTCAGCACTCTGAGAGAC 1501
Db 6707 TTGGGCAATTCAGCTCTCCCGTATTAACCTCAGCACTCTGAGAGAC 6751

RESULT 9

US-10-149-736-47

; Sequence 47, Application US/10149736

; Publication No. US20030216332A1

; GENERAL INFORMATION:

; APPLICANT: Chamberlain, Jeffrey S.

; APPLICANT: Harper, Scott Q.

; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences

FILE REFERENCE: UM-06968
CURRENT APPLICATION NUMBER: US/10/149,736
CURRENT FILING DATE: 2002-06-17
PRIOR APPLICATION NUMBER: PCT/US01/31126
PRIOR FILING DATE: 2001-10-04
PRIOR APPLICATION NUMBER: 60/238,848
PRIOR FILING DATE: 2000-10-06
NUMBER OF SEQ ID NOS: 96
SOFTWARE: PatentIn version 3.1
SEQ ID NO 47
LENGTH: 12057
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-10-149-736-47

Query Match 66.6%; Score 1000.2; DB 16; Length 12057;
Best Local Similarity 99.7%; Pred. No. 2.8e-299;
Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 497 GCACAGACTCATAGATTACTGCAACAGTTCCTCCCTGACCTGGAAGTTCCTTGCTGG 556
Db 8261 GAAGAACTCATAGATTACTGCAACAGTTCCTCCCTGACCTGGAAGTTCCTTGCTGG 8320
QY 557 CTTACAGAAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCCGTAAGGAAAGGCTC 616
Db 8321 CTTACAGAAGCTGAAACAACTGCCAATGTCTCTACAGATGCTACCCGTAAGGAAAGGCTC 8380
QY 617 CTAGAAGACTCCAAGGAGTAAAGAGCTGATGAACCAATGCGAAGACCTCCAAAGGTGAA 676
Db 8381 CTAGAAGACTCCAAGGAGTAAAGAGCTGATGAACCAATGCGAAGACCTCCAAAGGTGAA 8440
QY 677 ATTGAAGCTCACACAGATGTTTATCAACCTGGATGAAGAAACAGCCAAATAATCTTGAGA 736
Db 8441 ATTGAAGCTCACACAGATGTTTATCAACCTGGATGAAGAAACAGCCAAATAATCTTGAGA 8500
QY 737 TCCCTGGAGGTTCCGATGATGCACTCTCTCAAGAGCCTTTGGATGAACATGAACTTC 796
Db 8501 TCCCTGGAGGTTCCGATGATGCACTCTCTCAAGAGCCTTTGGATGAACATGAACTTC 8560
QY 797 AAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGTCCCATTTGGAGGCCAGTTC 856
Db 8561 AAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGTCCCATTTGGAGGCCAGTTC 8620
QY 857 GACAGTGGAAAGCTCTGCACCTTTCTCTGACAGAACTTCTGGTGTGCTACAGCTGAAA 916
Db 8621 GACAGTGGAAAGCTCTGCACCTTTCTCTGACAGAACTTCTGGTGTGCTACAGCTGAAA 8680
QY 917 GATGATGAATTAAGCCGGCAGGACCTATTGAGGAGGACCTTTCAGCAGTTTCAAGAGCAG 976
Db 8681 GATGATGAATTAAGCCGGCAGGACCTATTGAGGAGGACCTTTCAGCAGTTTCAAGAGCAG 8740
QY 977 AACGATGTACATAGGCGCTTCAAGAGGGAATTTGAAGAACTTGAACCTGTAAATCATGAGT 1036
Db 8741 AACGATGTACATAGGCGCTTCAAGAGGGAATTTGAAGAACTTGAACCTGTAAATCATGAGT 8800
QY 1037 ACTCTTGAGACTGTACGAAATTTCTGACAGAGCAGCTTTGGAAGGACTTAGAGAACTC 1096
Db 8801 ACTCTTGAGACTGTACGAAATTTCTGACAGAGCAGCTTTGGAAGGACTTAGAGAACTC 8860
QY 1097 TACCAGGAGCCAGAGAGCTGCTCTGAGGAGAGGCCAGAAATGTCACTCGGCTTCTA 1156
Db 8861 TACCAGGAGCCAGAGAGCTGCTCTGAGGAGAGGCCAGAAATGTCACTCGGCTTCTA 8920
QY 1157 CGAAGCAGGCTGAGGAGGCTCAATCTAGTGGGAAATAATTTGAACCTGCATCTCGCTGAC 1216
Db 8921 CGAAGCAGGCTGAGGAGGCTCAATCTAGTGGGAAATAATTTGAACCTGCATCTCGCTGAC 8980
QY 1217 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAAGAGGCCACCGAT 1276
Db 8981 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAAGAGGCCACCGAT 9040

8261	GAAGAACTCATAGATTACTGCACAGTTC	CCCCCTGGACCTGGAAAAAGTTTCTTGCTCGG	8332
Qy	CTTACAGAAGCTGAAACAACTGCGAAATGTCTCTACAGGATGCTACCCGTGAAGAAAGCTC	616	
Db	CTTACAGAAGCTGAAACAACTGCGAAATGTCTCTACAGGATGCTACCCGTGAAGAAAGCTC	8380	
Qy	CTAGAGACTCCAAAGGAGTAAAGAGCTGATGATAAACAATGGCAAGACCTCCRAAGTGAA	676	
Db	CTAGAGACTCCAAAGGAGTAAAGAGCTGATGATAAACAATGGCAAGACCTCCRAAGTGAA	8440	
Qy	ATTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAAAACAGCCAAAAAATCCTCGAGA	736	
Db	ATTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAAAACAGCCAAAAAATCCTCGAGA	8500	
Qy	TCCCTGGAAAGTCCGATGATGCAGTCTCTGTTACAAAGAGCTTTGGATACATCAAACTTC	796	
Db	TCCCTGGAAAGTCCGATGATGCAGTCTCTGTTACAAAGAGCTTTGGATACATCAAACTTC	8560	
Qy	AAGTGGAGTGAACTTCGGA AAAAGTCTCTCAACATTAGGTCCCAATTTGGAAGCCAGTTCT	856	
Db	AAGTGGAGTGAACTTCGGA AAAAGTCTCTCAACATTAGGTCCCAATTTGGAAGCCAGTTCT	8620	
Qy	GACCAAGTGGAGCGTCTGCACCTTTCTGTCAGGAATTTCTGCTGGCTACAGCTGAAA	916	
Db	GACCAAGTGGAGCGTCTGCACCTTTCTGTCAGGAATTTCTGCTGGCTACAGCTGAAA	8680	
Qy	GATGATGAAATTAAGCCGGCAGGCACCTATTGGAAGCGCACTTTCCAGCAGATTTCAGAACGAG	976	
Db	GATGATGAAATTAAGCCGGCAGGCACCTATTGGAAGCGCACTTTCCAGCAGATTTCAGAACGAG	8740	
Qy	AACGATGTACATAGGGCTTCAAAGAGGGAATTTGAAACCTGCTGATCATGAGT	1036	
Db	AACGATGTACATAGGGCTTCAAAGAGGGAATTTGAAACCTGCTGATCATGAGT	8800	
Qy	ACTCTTGACAGCTGACGAATATTTCTGCACAGCAGCGCTTTGGAAGCACTAGAGAAACTC	1096	
Db	ACTCTTGACAGCTGACGAATATTTCTGCACAGCAGCGCTTTGGAAGCACTAGAGAAACTC	8860	
Qy	TACAGAGAGCCACAGAGAGTCCCTCTGAGAGAGAGCCACAGATGTCACTCGGCTTCTA	1156	
Db	TACAGAGAGCCACAGAGAGTCCCTCTGAGAGAGAGCCACAGATGTCACTCGGCTTCTA	8920	
Qy	CGAAAGCAGGCTGAGGAGGTCAA TACTGAGTGGGAAAAATTTGAACCTGCACTCGGCTGAC	1216	
Db	CGAAAGCAGGCTGAGGAGGTCAA TACTGAGTGGGAAAAATTTGAACCTGCACTCGGCTGAC	8980	
Qy	TGGCAGAGAAAAATAGATGAGACCTTTGAAAGA TCCAGGAACCTTCAGAGGCCACCGAT	1276	
Db	TGGCAGAGAAAAATAGATGAGACCTTTGAAAGA TCCAGGAACCTTCAGAGGCCACCGAT	9040	
Qy	GAGCTGACACTCAAGCTCGGCCAAGCTGAGTGATCAAGGATCCTCGCAGCCCGTGCGC	1336	
Db	GAGCTGACACTCAAGCTCGGCCAAGCTGAGTGATCAAGGATCCTCGCAGCCCGTGCGC	9100	
Qy	GATCTCTCTCATTTGACTCTCTCCAAGATCACTTCAGAGAAAGTTCAGAGGAA	1396	
Db	GATCTCTCTCATTTGACTCTCTCCAAGATCACTTCAGAGAAAGTTCAGAGGAA	9160	
Qy	ATTCCGCTCTGAAGAGACGTCAGGCCACTCAATGACCTTGCTCCGCACTTACCCT	1456	
Db	ATTCCGCTCTGAAGAGACGTCAGGCCACTCAATGACCTTGCTCCGCACTTACCCT	9220	
Qy	TTGGGCATTACGCTCTCACCGTATAA CTTACGACCTCTGGAAGAC	1501	
Db	TTGGGCATTACGCTCTCACCGTATAA CTTACGACCTCTGGAAGAC	9265	

RESULT 12
US-10-149-736-1
; Sequence 1, Application US/10149736
; Publication No. US20030216332A1
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.

? APPLICANT: Harper, Scott Q.
? TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
? FILE REFERENCE: UM-06968
? CURRENT APPLICATION NUMBER: US/10/149,736
? CURRENT FILING DATE: 2002-06-17
? PRIOR APPLICATION NUMBER: PCT/US01/31126
? PRIOR FILING DATE: 2001-10-04
? PRIOR APPLICATION NUMBER: 60/238,848
? PRIOR FILING DATE: 2000-10-06
? NUMBER OF SEQ ID NOS: 96
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 1
? LENGTH: 13957
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-10-149-736-1

Query Match	66.6%	Score 1000.2	DB 16	Length 13957
Best Local Similarity	99.7%	Pred. No. 3.1e-299		
Matches 1002	Conservative 0	Mismatches 3	Indels 0	Gaps 0
Qy	497	GCACAGACTCATAGATTACTGCGAACAGTGTCCCTCGACCTGGAAAGTTTCTTGCTCTGG	556	
Db	8261	GAGAAACTCATAGATTACTGCGAACAGTGTCCCTCGACCTGGAAAGTTTCTTGCTCTGG	8320	
Qy	557	CTTACAGAAGCTGAAACAACTGCGCAATGTCTTACAGGATCTACCCCTAAGGAAAGGCTC	616	
Db	8321	CTTACAGAAGCTGAAACAACTGCGCAATGTCTTACAGGATCTACCCCTAAGGAAAGGCTC	8380	
Qy	617	CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAAATGGCAGACCTCCAAAGTGAA	676	
Db	8381	CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAAATGGCAGACCTCCAAAGTGAA	8440	
Qy	677	ATTGAGACTCACACAGATGTTTATCACAACTCGATGAAAACAGCCAAAAAATCCTCAGA	736	
Db	8441	ATTGAGACTCACACAGATGTTTATCACAACTCGATGAAAACAGCCAAAAAATCCTCAGA	8500	
Qy	737	TCCTCGAAGGTTCCGATGATGCAGTCTCTTTACAAAGACGTTTGGATAACATGAATTC	796	
Db	8501	TCCTCGAAGGTTCCGATGATGCAGTCTCTTTACAAAGACGTTTGGATAACATGAATTC	8560	
Qy	797	AAGTGGAGTCAACTTCGGAAGAGTCTCTCAAACATTAGGTCCCATTTGGAGGCCAGTTCT	856	
Db	8561	AAGTGGAGTCAACTTCGGAAGAGTCTCTCAAACATTAGGTCCCATTTGGAGGCCAGTTCT	8620	
Qy	857	GACCAGTGAAGGCTCTGCACCTTCTCTGCAGGAACTTCTGTGTGGCTACAGCTCAAA	916	
Db	8621	GACCAGTGAAGGCTCTGCACCTTCTCTGCAGGAACTTCTGTGTGGCTACAGCTCAAA	8680	
Qy	917	GATGATGAATTAAAGCCGGCAGGCACTTATTTGGAGGCGACCTTCCAGCAGTTTCAGAACG	976	
Db	8681	GATGATGAATTAAAGCCGGCAGGCACTTATTTGGAGGCGACCTTCCAGCAGTTTCAGAACG	8740	
Qy	977	AACGATGTACATAGGCGCTTCAAGAGGGAATTCGAAACCTAAAGAACTGTGAATCATGAT	1036	
Db	8741	AACGATGTACATAGGCGCTTCAAGAGGGAATTCGAAACCTAAAGAACTGTGAATCATGAT	8800	
Qy	1037	ACTCTTTGAGACTGTACGAATATTTCTGCAGACGACGCTTTTGGAGGACTAGAGAAATC	1096	
Db	8801	ACTCTTTGAGACTGTACGAATATTTCTGCAGACGACGCTTTTGGAGGACTAGAGAAATC	8860	
Qy	1097	TACCAGAGCCACAGAGCTGCCTCTGTAGGAGAGAGCCAGATGTCTACCTCGCTTCTA	1156	
Db	8861	TACCAGAGCCACAGAGCTGCCTCTGTAGGAGAGAGCCAGATGTCTACCTCGCTTCTA	8920	
Qy	1157	CGAAAGCAGGCTCAGGAGGTCAATACTGAGTGGGAAAAATTTGAACCTGCACCTCGCTGAC	1216	
Db	8921	CGAAAGCAGGCTCAGGAGGTCAATACTGAGTGGGAAAAATTTGAACCTGCACCTCGCTGAC	8980	
Qy	1217	TGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATCTTCAAGAGGCCACGGAT	1276	
Db	8981	TGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATCTTCAAGAGGCCACGGAT	9040	

QY 1277 GAGCTGGACCTCAAGCTGGCCGCAAGCTGAGTGTGATCAAGGATCTCTGGCAGCCCGTGGC 1336
DB 9041 GAGCTGGACCTCAAGCTGGCCGCAAGCTGAGTGTGATCAAGGATCTCTGGCAGCCCGTGGC 9100
QY 1337 GATCTCTCTCATTTGACTCTCTCAAGATCACTCGGAGAAAGTCAAGGCACTTCGAGGAGAA 1396
DB 9101 GATCTCTCTCATTTGACTCTCTCAAGATCACTCGGAGAAAGTCAAGGCACTTCGAGGAGAA 9160
QY 1397 ATTGGCCCTCTGAAGAGAACTGAGCCAGCACTGCAATGACTTGTGCGCAGCTTACCACT 1456
DB 9161 ATTGGCCCTCTGAAGAGAAAGTCAAGGCACTTCGAGGAGAAAGTCAAGGCACTTCGAGGAGAA 9220
QY 1457 TTGGGCAATTCAGCTCTCAAGGATCAAGGCACTTCGAGGAGAAAGTCAAGGCACTTCGAGGAGAA 1501
DB 9221 TTGGGCAATTCAGCTCTCAAGGATCAAGGCACTTCGAGGAGAAAGTCAAGGCACTTCGAGGAGAA 9265

RESULT 13
US-10-342-887-434
; Sequence 434, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 434
; LENGTH: 14069
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-434.

Query Match 66.6%; Score 1000.2; DB 13; Length 14069;
Best Local Similarity 99.7%; Pred No. 31e-299;
Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 497 GCACGACCTCATAGATTACTGCAACAGTTCCCTCGGACCTGGAAAGTTCTTGGCTGG 556
DB 8373 GAAGAACTCATAGATTACTGCAACAGTTCCCTCGGACCTGGAAAGTTCTTGGCTGG 8432
QY 557 CTTACAGAGCTGAACACTCCCAATGCTCTACAGGATGCTACCGTAAGAAAGGCTC 616
DB 8433 CTTACAGAGCTGAACACTCCCAATGCTCTACAGGATGCTACCGTAAGAAAGGCTC 8492
QY 617 CTAGAAGACTCCAAGGGAGTAAAGAGCTGTGATGAACAACTGGCAAGACTCCAAGGTGAA 676
DB 8493 CTAGAAGACTCCAAGGGAGTAAAGAGCTGTGATGAACAACTGGCAAGACTCCAAGGTGAA 8552
QY 677 ATTGAAGCTCACAGATGTTTATCACACTGGATGAACAGCAAAAGTCTGAGA 736
DB 8553 ATTGAAGCTCACAGATGTTTATCACACTGGATGAACAGCAAAAGTCTGAGA 8612
QY 737 TCCCTGGAAGGTTCCGATGATGAGTCTCTGTTTACAAAGACGTTTGGATAACATGAACTTC 796
DB 8613 TCCCTGGAAGGTTCCGATGATGAGTCTCTGTTTACAAAGACGTTTGGATAACATGAACTTC 8672
QY 797 AAGTGAGTGAACCTTCGGAAGAAAGTCTCTCAACATAGTCCCATTTGGAAGCCAGTTCT 856

DB 8673 AAGCTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATTTAGCTCCCATTTTGAAGCCAGTTCT 8732
QY 857 GACAGTGAAGGCTCTGCACTTCTGCACTTCTGCAAGAACTTCTGGTGTGGCTAGAGTGAAA 916
DB 8733 GACAGTGAAGGCTCTGCACTTCTGCACTTCTGCAAGAACTTCTGGTGTGGCTAGAGTGAAA 8792
QY 917 GATGATGAATTAAGCCGGCAGGCACTTATTTGAGGCGACTTTCAGAGCACTTCAGAGCAAG 976
DB 8793 GATGATGAATTAAGCCGGCAGGCACTTATTTGAGGCGACTTTCAGAGCACTTCAGAGCAAG 8852
QY 977 AACGATGTATAGAGGCTTCAAGAGGAAATTAAGAACTTAAGAACTTATATCATGAGT 1036
DB 8853 AACGATGTATAGAGGCTTCAAGAGGAAATTAAGAACTTAAGAACTTATATCATGAGT 8912
QY 1037 ACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTCGAGGAGCTTCAGAGAACTC 1096
DB 8913 ACTCTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTCGAGGAGCTTCAGAGAACTC 8972
QY 1097 TACAGAGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGAAATGTCTACTCGGTTCTA 1156
DB 8973 TACAGAGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGAAATGTCTACTCGGTTCTA 9032
QY 1157 CGAAGCAGGCTGAGAGGCTCAATCTGAGTGGGAAATTTGAACCTGCACTCCGCTGAC 1216
DB 9033 CGAAGCAGGCTGAGAGGCTCAATCTGAGTGGGAAATTTGAACCTGCACTCCGCTGAC 9092
QY 1217 TGGCAGAGAAATAGATGAGACCTTGAAGACTCCAGAGAACTTCAAGAGCCAGGAT 1276
DB 9093 TGGCAGAGAAATAGATGAGACCTTGAAGACTCCAGAGAACTTCAAGAGCCAGGAT 9152
QY 1277 GAGCTGACCTCAAGCTGGCCAGCTGAGTGTGATCAAGGATCTTGGCAGCCCGTGGC 1336
DB 9153 GAGCTGACCTCAAGCTGGCCAGCTGAGTGTGATCAAGGATCTTGGCAGCCCGTGGC 9212
QY 1337 GATCTCTCTCATTTGACTCTCTCAAGATCACTTCGAGAAAGTCAAGGCACTTCAGAGGAGAA 1396
DB 9213 GATCTCTCTCATTTGACTCTCTCAAGATCACTTCGAGAAAGTCAAGGCACTTCAGAGGAGAA 9272
QY 1397 ATTGGCCCTCTGAAGAGAAAGTGAAGCACTGAGCACTTGTGCGCAGCTTACCACT 1456
DB 9273 ATTGGCCCTCTGAAGAGAAAGTGAAGCACTGAGCACTTGTGCGCAGCTTACCACT 9332
QY 1457 TTGGGCAATTCAGCTCTCAAGGATCAAGGCACTTCGAGGAGAAAGTCAAGGCACTTCGAGGAGAA 1501
DB 9333 TTGGGCAATTCAGCTCTCAAGGATCAAGGCACTTCGAGGAGAAAGTCAAGGCACTTCGAGGAGAA 9377

RESULT 14

US-10-172-118-434
; Sequence 434, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 434
; LENGTH: 14069
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000109

; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-434

Query Match 66.6%; Score 1000.2; DB 13; Length 14069;
Best Local Similarity 99.7%; Pred. No. 3.1e-299;
Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 497 GCACAGACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTTCTTGCCTGG 556
DB 8373 GAAGAACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTTCTTGCCTGG 8432
QY 557 CTTACAGAGCTGAAACAACTGCCAATGTCTTACAGATGCTACCGTAAGGAAGGCTC 616
DB 8433 CTTACAGAGCTGAAACAACTGCCAATGTCTTACAGATGCTACCGTAAGGAAGGCTC 8492
QY 617 CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAATGGCAAGACTCCAGGTGAA 676
DB 8493 CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAATGGCAAGACTCCAGGTGAA 8552
QY 677 ATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACACAGCCAAAAATCTGAGA 736
DB 8553 ATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACACAGCCAAAAATCTGAGA 8612
QY 737 TCCCTGGAAGTTCGGATGATGATGCTCTCTTACAAAGACGTTTGGATPAACATGAATTC 796
DB 8613 TCCCTGGAAGTTCGGATGATGATGCTCTCTTACAAAGACGTTTGGATPAACATGAATTC 8672
QY 797 AAGTGGAGTGAATTCGGAAGGAAAGTCTCTACATTTAGGTCCCATTTGGAAGCCAGTTCT 856
DB 8673 AAGTGGAGTGAATTCGGAAGGAAAGTCTCTACATTTAGGTCCCATTTGGAAGCCAGTTCT 8732
QY 857 GACCAAGTGAAGCTGTCACACTTCTCTGAGGAACTTCTGGTGGCTACAGCTGAAA 916
DB 8733 GACCAAGTGAAGCTGTCACACTTCTCTGAGGAACTTCTGGTGGCTACAGCTGAAA 8792
QY 917 GATGATGAATTAAGCCGGCAGCAGCTATTTGAGGCGACTTCTCCAGAGGTTTCAGAGCAG 976
DB 8793 GATGATGAATTAAGCCGGCAGCAGCTATTTGAGGCGACTTCTCCAGAGGTTTCAGAGCAG 8852
QY 977 AACGATGTACATAGGCTCTCAAGAGGAAATTAAGAACTTAAAGAACCTGTATCATGAT 1036
DB 8853 AACGATGTACATAGGCTCTCAAGAGGAAATTAAGAACTTAAAGAACCTGTATCATGAT 8912
QY 1037 ACTCTTGAGCTGTACGAAATATTTCTGACAGAGAGCTTTGGAAGGACTAGAGAACTC 1096
DB 8913 ACTCTTGAGCTGTACGAAATATTTCTGACAGAGAGCTTTGGAAGGACTAGAGAACTC 8972
QY 1097 TACCAAGGAGCCAGAGAGCTGCTCTGAGGAGAGCCAGATGTCACTCGGCTCTA 1156
DB 8973 TACCAAGGAGCCAGAGAGCTGCTCTGAGGAGAGCCAGATGTCACTCGGCTCTA 9032
QY 1157 CGAAAGCAGGCTGAGGAGTCAATATCTGAGTGGGAAAAATTAACCTGCACTCCGCTGAC 1216
DB 9033 CGAAAGCAGGCTGAGGAGTCAATATCTGAGTGGGAAAAATTAACCTGCACTCCGCTGAC 9092
QY 1217 TGGCAGAGAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAGAGGCAACGGAT 1276
DB 9093 TGGCAGAGAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAGAGGCAACGGAT 9152
QY 1277 GAGCTGGACCTCAAGCTGGCCCAAGCTGAGGTGATCAAGGGATCTGCGACCCGCTGGGC 1336
DB 9153 GAGCTGGACCTCAAGCTGGCCCAAGCTGAGGTGATCAAGGGATCTGCGACCCGCTGGGC 9212
QY 1337 GATCTCTCATTTGATCTCTCTCAAGATCACTCTGAGAAAGTCAAGGCACTTCGAGGAGAA 1396
DB 9213 GATCTCTCATTTGATCTCTCTCAAGATCACTCTGAGAAAGTCAAGGCACTTCGAGGAGAA 9272
QY 1397 ATTGGCCTCTCAAGAGAACTGAGCCAGCTCAATGACCTTGTCTGCGACCTTACCACT 1456
DB 9273 ATTGGCCTCTCAAGAGAACTGAGCCAGCTCAATGACCTTGTCTGCGACCTTACCACT 9332
QY 1457 TTGGCATTACGCTCTACCGTATTAACCTCAGCACTCTGGAAGAC 1501

DB 9333 TTGGCATTACGCTCTACCGTATTAACCTCAGCACTCTGGAAGAC 9377

RESULT 15

US-10-342-887-981
; Sequence 981, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCES: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 981
; LENGTH: 14082
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-342-887-981

Query Match 66.6%; Score 1000.2; DB 13; Length 14082;
Best Local Similarity 99.7%; Pred. No. 3.1e-299;
Matches 1002; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 497 GCACAGACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTTCTTGCCTGG 556
DB 8386 GAAGAACTCATAGATTACTGCAACAGTTCCTCCCTGGACCTGGAAAAAGTTTCTTGCCTGG 8445
QY 557 CTTACAGAGCTGAAACAACTGCCAATGTCTTACAGATGCTACCGTAAGGAAGGCTC 616
DB 8446 CTTACAGAGCTGAAACAACTGCCAATGTCTTACAGATGCTACCGTAAGGAAGGCTC 8505
QY 617 CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAACTGGCAAGACTCCCAAGGTGAA 676
DB 8506 CTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAACTGGCAAGACTCCCAAGGTGAA 8565
QY 677 ATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACAACTGGCAAGACTCCCTGAGA 736
DB 8566 ATTGAAGCTCACACAGATGTTTATCACAACTGGATGAACAACTGGCAAGACTCCCTGAGA 8625
QY 737 TCCCTGGAAGTTCCTGATGATGAGTCTCTTACAAAGAGTTCCTGATTAACATGAACTTC 796
DB 8626 TCCCTGGAAGTTCCTGATGATGAGTCTCTTACAAAGAGTTCCTGATTAACATGAACTTC 8685
QY 797 AAGTGGAGTGAATTCGGAAGGAAAGTCTCTCAACATTTAGGTCCCATTTGGAAGCCAGTTCT 856
DB 8686 AAGTGGAGTGAATTCGGAAGGAAAGTCTCTCAACATTTAGGTCCCATTTGGAAGCCAGTTCT 8745
QY 857 GACCAAGTGAAGCTGTCGACCTTCTCTGAGGAACTTCTGCTGAGGCTTACAGCTGAAA 916
DB 8746 GACCAAGTGAAGCTGTCGACCTTCTCTGAGGAACTTCTGCTGAGGCTTACAGCTGAAA 8805
QY 917 GATGATGAATTAAGCCGGCAGGCACTTATTTGAGGCACTTTCCAGCAGTTCAGAGCAG 976
DB 8806 GATGATGAATTAAGCCGGCAGGCACTTATTTGAGGCACTTTCCAGCAGTTCAGAGCAG 8865
QY 977 AACGATGTACATAGGCTTCAAGAGGAAATTAAGAACTTAAAGAACTGTATCATGAT 1036
DB 8866 AACGATGTACATAGGCTTCAAGAGGAAATTAAGAACTTAAAGAACTGTATCATGAT 8925

QY	1037	ACTCTTGAGACTGTACGAATATTTCTGACAGAGAGCCCTTTGGAAGGACTAGAGAACTC	1096
Db	8926	ACTCTTGAGACTGTACGAATATTTCTGACAGAGAGCCCTTTGGAAGGACTAGAGAACTC	8985
QY	1097	TACCAAGGAGCCGAGAGAGTGCCTCCTGAGGAGAGAGCCGAGATGTCACTCGGCTTCTA	1156
Db	8986	TACCAAGGAGCCGAGAGAGTGCCTCCTGAGGAGAGAGCCGAGATGTCACTCGGCTTCTA	9045
QY	1157	CGAAAGCAGGCTCAGGAGGTCAATATCTGAGTGGGAAAAATTGAACCTGCACCTCCGCTGAC	1216
Db	9046	CGAAAGCAGGCTCAGGAGGTCAATATCTGAGTGGGAAAAATTGAACCTGCACCTCCGCTGAC	9105
QY	1217	TGGCAGAGAAAAATAGATGAGACCCCTTGAAGACTCCAGGAACTTCAAGAGGCCACCGAT	1276
Db	9106	TGGCAGAGAAAAATAGATGAGACCCCTTGAAGACTCCAGGAACTTCAAGAGGCCACCGAT	9165
QY	1277	GAGCTGGACCTCAAGCTGGGCCAAGCTGAGGTGATCAAGGGATCCTGGCAGCCCGTGGGC	1336
Db	9166	GAGCTGGACCTCAAGCTGGGCCAAGCTGAGGTGATCAAGGGATCCTGGCAGCCCGTGGGC	9225
QY	1337	GATCTCCTCATTTGACTCTCTCCAAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGAA	1396
Db	9226	GATCTCCTCATTTGACTCTCTCCAAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGAA	9285
QY	1397	ATTGGCCCTCTGAAAGAGAACTGAGCCAGCAGTCAATGACCTTGCTCGCCAGCTTACCACT	1456
Db	9286	ATTGGCCCTCTGAAAGAGAACTGAGCCAGCAGTCAATGACCTTGCTCGCCAGCTTACCACT	9345
QY	1457	TTGGGCATTTCAGCTCTCAACCGTATAACCTCAGCACTCTGGAAGAC	1501
Db	9346	TTGGGCATTTCAGCTCTCAACCGTATAACCTCAGCACTCTGGAAGAC	9390

Search completed: September 14, 2004, 08:11:08
Job time : 730.333 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 01:18:23 ; Search time 109.667 Seconds
(without alignments)
7595.574 Million cell updates/sec

Title: US-09-845-416-2_COPY_1500_3000
Perfect score: 1501
Sequence: 1 agagatttagaacaagac.....acctcagcactcttgaagac 1501

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq: *
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6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1000.2	66.6	5952	US-09-687-875A-1	Sequence 1, Appl
2	1000.2	66.6	13977	US-09-484-970B-60	Sequence 60, Appl
C 3	847.2	56.4	19307	US-08-836-022A-10	Sequence 10, Appl
C 4	847.2	56.4	19307	US-09-427-048A-10	Sequence 10, Appl
5	293.4	19.5	6045	US-09-091-501B-7	Sequence 7, Appl
6	293.4	19.5	10320	US-09-091-501B-9	Sequence 9, Appl
7	200.8	13.4	3915	US-09-976-594-93	Sequence 93, Appl
8	69.8	4.7	200	US-09-091-501B-5	Sequence 5, Appl
9	69	4.6	200	US-09-091-501B-4	Sequence 4, Appl
10	65	4.3	200	US-09-091-501B-6	Sequence 6, Appl
C 11	63.6	4.2	238	US-09-687-875A-13	Sequence 13, Appl
C 12	53.4	3.6	7218	US-08-232-463-14	Sequence 14, Appl
C 13	39.4	2.6	193303	US-09-497-855A-37	Sequence 37, Appl
C 14	39.4	2.6	193303	US-09-497-855A-44	Sequence 44, Appl
15	38.6	2.6	1751	US-09-620-312D-847	Sequence 847, App
16	38.6	2.6	1995	US-08-425-069-3	Sequence 3, Appl
17	38.6	2.6	1995	US-08-317-844B-3	Sequence 447, App
18	38.2	2.5	1848	US-09-134-001C-447	Sequence 447, App
C 19	38.2	2.5	4929	US-09-620-312D-674	Sequence 674, App
C 20	37.4	2.5	2082	US-08-985-335-4	Sequence 4, Appl
C 21	37.4	2.5	2082	US-09-410-372-4	Sequence 4, Appl
22	37.2	2.5	2160	US-09-092-218-1	Sequence 1, Appl
C 23	37.2	2.5	2915	US-09-336-115C-5	Sequence 5, Appl
C 24	37.2	2.5	3902	US-08-961-527-212	Sequence 212, App
25	36	2.4	608	US-09-385-982-236	Sequence 236, App
26	35.2	2.3	6796	US-08-956-171E-2	Sequence 2, Appl
27	35	2.3	2169	US-09-434-408-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1

US-09-687-875A-1
; Sequence 1, Application US/09687875A
; Patent No. 654786
; GENERAL INFORMATION:
; APPLICANT: Xiao, Xiao
; APPLICANT: Liu, Paul
; TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPICED PE
; FILE REFERENCE: 00792
; CURRENT APPLICATION NUMBER: US/09/687,875A
; CURRENT FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/158,868
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 5952
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2897)..(2898)
; OTHER INFORMATION: S4 junction site
; NAME/KEY: misc feature
; LOCATION: (3198)..(3199)
; OTHER INFORMATION: S2 junction site
US-09-687-875A-1

Query Match 66.6%; Score 1000.2; DB 4; Length 5952;
Best Local Similarity 99.7%; Pred. No. 5.3e-310; Indels 0; Gaps 0;
Matches 1002; Conservative 0; Mismatches 3;

Qy	497	GCACAGCTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAGTTTCTTGCTGG	556
Db	2947	GAAGAACTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAGTTTCTTGCTGG	3006
Qy	557	CTTACAGAGCTGAACAACTGCCAATGCTTACAGAGTCTACCGTAAGGAAGCTC	616
Db	3007	CTTACAGAGCTGAACAACTGCCAATGCTTACAGAGTCTACCGTAAGGAAGCTC	3066
Qy	617	CTAGAAGACTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGACCTCCAAGGTGAA	676
Db	3067	CTAGAAGACTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGACCTCCAAGGTGAA	3126
Qy	677	ATTGAGAGCTCACACAGATGTTTATCACACCTGGATGAAACAGCCAAAATCTCTGAGA	736
Db	3127	ATTGAGAGCTCACACAGATGTTTATCACACCTGGATGAAACAGCCAAAATCTCTGAGA	3186
Qy	737	TCCTTGAAGGTTCCCATGATGATGAGTCCCTGTTACAAAGAGCTTGGATACATGAATTC	796

COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICANT: US/09/427,048A
FILING DATE: 21-Oct-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/836,022
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNPVN.008PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 19307 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-427-048A-10

Query Match 56.4%; Score 847.2; DB 3; Length 19307;
Best Local Similarity 88.6%; Pred. No. 1.6e-260;
Matches 918; Conservative 0; Mismatches 118; Indels 0; Gaps 0;

465 ATAAATTTAGTCCAAAGAGTGAAGAGAGTACAGCAGACACTCATAGATTACTGCAACAGT 524
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6465 ATAAAGAGTAGTACGAGCAAGAGGCTGCTTTGGAAGAACTCATAGATTACTGCGAGT 6406
|||||
525 TCCCTCGAGCTGAAAGATTTCTTGCTGCTTACAGAGCTGAAACAACTCCCAATG 584
|||||
6405 TCCCTCGAGCTGAGAGATTTCTTCTGCTGATTACGGAAGAGCAAACTCCCAATG 6346
|||||
585 TCTCAGAGTCTACCGTAGAGAAAGCTTCTAGAGACTCCAAAGGAGTAAAGAGC 644
|||||
6345 TCTCAGAGCTTCCCGTAGAGAGCTCTTAGAGACTCCAGGGAGTCAAGAGC 6286
|||||
645 TGATGAAACATGGCAAGCTTCAAGGTGAAATTTGAAGCTCAACAGATTTTATCACA 704
|||||
6285 TGATGAAACATGGCAAGCTTCAAGGTGAAATTTGAAGCTCAACAGATTTTATCACA 6226
|||||
705 ACCTGATGAAACAGCAAGCTTCAAGGTGAAATTTGAAGCTTCAAGGTGAAATTTCA 764
|||||
6225 ATCTTGATGAAATGGCAAGCTTCAAGGTGAAATTTGAAGCTTCAAGGTGAAATTTCA 6166
|||||
765 TGTTCAAGAGCTTTGGATTAACATGAATTTCAAGTGGAGTGAATTTGGGAAAGGCTC 824
|||||
6165 TGTTCAAGAGCTTTGGATTAACATGAATTTCAAGTGGAGTGAATTTGGGAAAGGCTC 6106
|||||
825 TCACATTAGTCCCATTTGAGCCAGTCTGACCACTGGAAGGCTGCACTTTCTC 884
|||||
6105 TCACATTAGTCCCATTTGAGCCAGTCTGACCACTGGAAGGCTGCACTTTCTC 6046
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885 TGCAGGAACTTCTGCTGCTGCTACAGCTGAAAGATGATGAATTAAGCGCGGAGCACTTA 944
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6045 TGCAGGAACTTCTGCTGCTGCTACAGCTGAAAGATGATGAATTAAGCGCGGAGCACTTA 5986
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945 TTGAGGGGCACTTCCAGAGCTTCAAGAGCAAGATGATGATGATGATGATGATGATGATG 1004
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5985 TCGGTGGTGGTTCCTCCAGAGCTTCAAGAGCAAGATGATGATGATGATGATGATGATG 5926
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1005 AATTGAAACATAAGAACTGTAATCATGAGTACTCTTGAGACTGTACGAAATTTCTGA 1064
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5925 AATTGAAACATAAGAACTGTAATCATGAGTACTCTGGAGACTGTGAGATATTTCTGA 5866
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1065 CAGAGCAGCTTTGGAGGAGCTAGAGAACTCTTACCAGAGAGCCGAGAGCTGCTCTCTG 1124
|||||
5865 CAGAGCAGCTTTGGAGGAGCTAGAGAACTCTTACCAGAGAGCCGAGAGCTGCTCTCTG 5806
|||||
1125 AGGAGAGAGCCAGAAATGTCACTCGCTTTCTAGAAAGCAGGCTGAGGAGGTCATATCTG 1184
|||||
5805 AAGAAAGAGCTCAGAAATGTCACTCGCTCTCTAGAAAGCAGGCTGAGGAGGTCATATCTG 5746
|||||
1185 AGTGGGAAATTTGAACCTGCACTCGCTGCTGAGAGAGAAATAGATGAGACCTCTG 1244
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5745 AATGGGCAAAATTTGAACCTGCACTCGCTGCTGAGAGAGAAATAGATGAGACCTCTG 5686
|||||
1245 AAGAGCTCCAGGAACTTTCAAGAGGCGCAGGATGAGTGGACCTCAAGCTGCGCCCAAGCTG 1304
|||||
5685 AAGAGCTCCAGGAACTTTCAAGAGGCGCAGGATGAGTGGACCTCAAGCTGCGCCCAAGCTG 5626
|||||
1305 AGGTGATCAAGGATCTCTGCGAGCCGCTGGGAGATCTCTTATGACTCTCTCCAGATC 1364
|||||
5625 AGGTGATCAAGGATCTCTGCGAGCCGCTGGGAGATCTCTTATGACTCTCTCCAGATC 5566
|||||
1365 ACCTCGAGAAAGTCAAGGCACTTTGAGAGAGAAATTTGGGCTCTGAAAGAGAACTGAGCC 1424
|||||
5565 ACCTCGAGAAAGTCAAGGCACTTTGAGAGAGAAATTTGGGCTCTGAAAGAGAACTGAGCC 5506
|||||
1425 ACCTCAATGATCTGCTGCGAGCTTACCACTTTTGGGCTTACAGCTCTCAAGCTTATAC 1484
|||||
5505 GTGTCAATGATCTGCGAGCTTACCACTTTTGGGCTTACAGCTCTCAAGCTTATAC 5446
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1485 TCAGCACTCTGGAAGA 1500
5445 TCAGCACTTTGGAAGA 5430
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RESULT 5
US-09-091-501B-7
; Sequence 7, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1998-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 6045
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(6037)
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Chimeric
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (724)..(758)
; OTHER INFORMATION: Precise residue is left open
US-09-091-501B-7

Query Match 19.5%; Score 293.4; DB 4; Length 6045;
Best Local Similarity 56.8%; Pred. No. 4.1e-83;

Matches	565;	Conservative	0;	Mismatches	421;	Indels	9;	Gaps	1;
Qy	516	TGCAACAGTTC	CCCCCTGGAC	CTCGAAAGATTTCTTCCCTGGCTTACAGAAGCTGAAACAA	575				
Db	3069	TGCAGGCCTCTCG	CAGAGATCTCGAAAC	TTCTCTGAAAGTGGATCCAAAGACAGCAGACCA	3128				
Qy	576	CTCCCAATGCTTAC	AGGATGCTACCGTAAAGAAAGGCTCCTAGAAAGCTCCCAAGGGAG	635					
Db	3129	CAGTGAATGCTTGT	GGATGCCTCTCATCGGAGATGCTCTTCAGGATAGTATCTTGG	3188					
Qy	636	TAAAGAGCTGATG	AAACAAATGGCAAGACTTCCAAAGGTGAANTGAAGCTTCAACAGATG	695					
Db	3189	CCAGGGAATCTAA	ACAGCAGATGCAGACATCCAGGCAGAAATTTGATGCCCAATGACA	3248					
Qy	696	TTTATACAACTTGG	ATGAAACAGCCAAATAATCTCTGAGATCCCTGGAAGTTCCGATG	755					
Db	3249	TATTTAAAGCAT	TGACGAAACAGGCAGAAAGATGTTAAAGCTTTGGGAAATTTCTGAAG	3308					
Qy	756	ATCGAGCTCTTTA	CAAGAGCGTTTGGATTAACATGAATCTCAAGTGGAGTGAATCTCGGA	815					
Db	3309	AGGCTACTATGCT	TCAACATCGACTGATGATATGAACCAAGATGGAATGACTTTAAAG	3368					
Qy	816	AAAAGTCTCTCA	CAATTAGTTCCTATTTGGAAGCCAGTCTCGACCATGGAAGCGTCTGC	875					
Db	3369	CAAAATCTGCTAG	CATCAGGCCCATTTTGAGGCCAGCGCTGAGAAGTGAACAGGTTGC	3428					
Qy	876	ACCTTTCTCTGCA	GGAACTTCTGTGTGGCTACAGCTGAAAGATGATGAANTAAAGCCGC	935					
Db	3429	TGATGCTCTTTAG	AGAACTGATCAATATGGCTGAATATGAAGATGAAGAGCTTTAAGAAC	3488					
Qy	936	AGGCACCTATTG	AGGCGCACTTTCCACAGCTTCAAGACAGACAGATGTACATAGGCGCT	995					
Db	3489	AAATGCCCTATT	TGGAGGAGATGTTCCAGCTTACAGCTCCAGTAGTACCATTTGAAGCCC	3548					
Qy	996	TCAAGAGGGAATT	GAATAACTAAGAACTGTAACTGATGATCTTTGAGACTGTAGCAA	1055					
Db	3549	TGAGACGGGAGTT	AAAGGAGAAAGATATTCTGTCTCTGAATGCTGTGCAGCAGGCCGAG	3608					
Qy	1056	TATTTCTGACAG	AGCAGCCCTT-----GGAGGACTAGAGAACTCTACAGGAGC	1106					
Db	3609	TTTTTCTGGCTG	ATCAGCCAAATTGAGGCCCTGAAGGCCACAGAGAAACCTACATCAA	3668					
Qy	1107	CCAGAGAGCTGCT	CTCTGAGAGAGAGCCAGAAATGTCACTCGGCTTCTACGAAAGCAGG	1166					
Db	3669	AAAACAGAAATTA	ACTCTCGAGAGAGAGCCAAAAGATTGCCAAGCCATGCGCAACAGT	3728					
Qy	1167	CTGAGGAGGTCAA	TACTAGTGGGAAAAATTTGAACCTGCACCTCGCTGACTGGCAGAGAA	1226					
Db	3729	CTTCTGAAGTCA	AGAAATAAGGAAAGTCTAAATGCTGTAACTAGCAATTGCAAAAGC	3788					
Qy	1227	AAATAGATGAGAC	CTTTGAAAGACTCCAGGAACCTCAAGAGGCCACCGATGAGCTGAGCC	1286					
Db	3789	AAATGGAACAAG	GCATTGGAGAACTCAGAGACCTGCGAGGAGCTATGGATGACCTGAGC	3848					
Qy	1287	TCAGCTGGCCCA	AGCTGAGGTGATCAAGGGATCCTGCGAGCCGCTGGCGATCTCTCA	1346					
Db	3849	CTGACATGAAG	GGCAGAGTCCGTGGGAATGGCTGGAAGCCCGTGGAGACTTACTCA	3908					
Qy	1347	TTGACTCTCTCA	AGATCACCTCGAGAAAGTCAAGGCATCTCGAGGAGAAATTGCGGCTC	1406					
Db	3909	TTGACTCGCTCA	GGATCACATTGAAAAATCATGGCATTTAGAGAGAAATTTGACCAA	3968					
Qy	1407	TGAAGAGAACGT	TGAGCCACTCAATGACCTTGTCCCGAGCTTACCACTTTGGGCAATC	1466					
Db	3969	TCACTTTAAAGT	TTAAACGGTGAATGATTTATTCAGTCACTGCTCTCCACTTGACCTGC	4028					
Qy	1467	AGCTCTCAAC	CGTATAAACCCTCAGCACTCTGGAGAC	1501					
Db	4029	ATCCCTCTCTAA	AGATGCTCGCAGCTAGATGAC	4063					

RESULT 6
US-09-093

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; Sequence 9, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathan M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 10320
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(10312)
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Full length
; OTHER INFORMATION: utrophin construct
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (724)..(758)
; OTHER INFORMATION: Precise residue is left open
US-09-091-501B-9

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RESULT 6
US-09-091-501B-9

Db 7824 TGAGCGGAGTTAAAGGAGAAAGAAATATTTCTGCTGTAATGCTGTGACACGAGGCCGAG 7883
QY 1056 TATTTCTGACAGAGAGCCCTTT-----CGAAGGACTAGAGAACTCTACACGAGC 1106
Db 7884 TTTTCTTGCTGATCAGCAANTTGAGGCCCTTGAGAGCCCAAGAGAAACCTTACAACTCA 7943
QY 1107 CCAGAGAGCTGCTCTCTGAGGAGAGAGCCCAAGATGTCTCACTCGGCTTTCTAGCAAGCAGG 1166
Db 7944 AAACAGATTAACCTCTGAGGAGAGAGGCCCAAGATTTGCCAAAGCCATGCGCAACAGT 8003
QY 1167 CTGAGGAGTCAATCTAGTGGGAAAATTTGAACCTGCACTCCCTGACTGGCAGAGAA 1226
Db 8004 CTTCTGAAGTCAAGAAAATGGGAAGTCTAAATGCTGTAACTAGCAATTTGGCAAAAGC 8063
QY 1227 AAATAGATGAGACCCCTTTGAAAGACTCCAGGAATTTCAAGAGGCCACGATGAGCTGGACC 1286
Db 8064 AAGTGCACAGCANTTGGGAACCTCAGAGACCTCGAGGAGCTATGATGACCTGGAGC 8123
QY 1287 TCAAGCTGCGCAAGCTGAGGTGATCAAGGGATTCCTGGAGCCCGTGGGCGATCTCTCA 1346
Db 8124 CTCATGTAAGGAGGAGCAGAGTCCGTGCGGAATGGCTGGAAGCCCGTGGGAGACTTTACTCA 8183
QY 1347 TTGACTCTCTCAAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGAAATTTGCGCTC 1406
Db 8184 TTGACTCGCTGAGGATCAATGTAATAATCATGGCATTTAGAGAAGAAATTCACCA 8243
QY 1407 TGAAGAGAACGTGAGCCACGCTCAATGACCTTGCTCGCAGCTTACCACTTTGGGCAATTC 1466
Db 8244 TCAACTTTAAAGTTAAAGCGGTGAATGATTTATTCAGTCAGCTGTCTCCACTGACCTGC 8303
QY 1467 AGCTCTCACGTTAACTCAGCACTCTTGGAGAC 1501
Db 8304 ATCCCTCTCTAAAGATGTCTGCCAGCTAGATGAC 8338

RESULT 7
US-09-976-594-93
; Sequence 93, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0043 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 93
; LENGTH: 3915
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 290344.1
US-09-976-594-93

Query Match 13.4%; Score 200.8; DB 4; Length 3915;
Best Local Similarity 56.0%; Pred. No. 1.6e-53;
Matches 400; Conservative 0; Mismatches 312; Indels 2; Gaps 1;
QY 787 CATGAACCTCAAGTGGAGTGAACCTCGGAAAAGTCTCTCAACATTAGTCCCATTTGGA 846
Db 544 CATGAATCTGTGTGATGAATAAATAAAGATCTCAACCTCCGCGTCCGCTAGA 603
QY 847 AGCCAGTCTGACAGTGGAGCGTCTGCACTTTCTGAGGAACTTTGTTGGTGGCT 906
Db 604 GGCCTTCTCAGACCAACAGTGGAAAGCTTCAGTCCCTCTTCAAGAGATTTATGACTGGCT 663
QY 907 ACAGCTGAAGATGATGAATTAAGCCGCGAGCGACCTATTGGAGCGCACTTTCCAGCAGT 966

Db 664 CAGCCAAAAGGATGAGGAGTTGTGAGTCTGAGCTGCCCCCTACAGGGGAGATGTGGCCCTGGT 723
QY 967 TCAGAACGAAACGATGTACATAGAGCCCTTCAGAGGGAAATTCNAACCTTAAGAACCTGT 1026
Db 724 GCACAGGAGGAGGAGACATACGCGCCCTTTATGGGAAGATCAAGTCTCGGGGCCCCCTA 783
QY 1027 AATCATGAGTACTCTTTGAGACTGTAGCAATATTTCTGACAGAGCAGCCTTTGGAAGGACT 1086
Db 784 CATCTATTCCTGCTCGAGTCACTCAGGCCCTTCCTGTCCAGCACCCATTTGAGGAGTT 843
QY 1087 AGAGAACTCTACAGAGCCCHAGAGAGTGCCTCTGAGGAGAGAGCCAGAGATGTAC 1146
Db 844 AGAGGAGCCCTCATTTCTGAGAGCAAGATATACCTCCCGNAACAGCGGATCCAGAACTCTCAG 903
QY 1147 TCGGCTTCTACGAAACAGGCTGAGGAGGTCAATACTGAGTGGGAAAAATTCGAACCTGCA 1206
Db 904 CCCTTTGTATGGAAGCAGCGGCGAGTGCCTGCTGCTGGAGAGTTCGACGCCG 963
QY 1207 CTCGCTGACTGCGCAGAGAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCAAGA 1266
Db 964 CTGTGTGGACCAAGCAGCCGTCACTTCTGAGCGGAGTCTGTGAGCAGCTCTTGGAGATTCAGG 1023
QY 1267 GGCACGCGATGAGCTGAGCTCAAGCTGCGCAAGCTGAGGTGATCAAGGGATTCCTGGCA 1326
Db 1024 G--CATGGAGAACTAAGCACTACTCTGAGCCAGCTGAGGAGTCCGAGCAGCTTGGGA 1081
QY 1327 GCCCGTGGGCGATCTCCTCATTTGACTCTCTCAAGATCACTCTCGAGAAAGTCAAGGCACT 1386
Db 1082 GCCCATTTGGGATCTCTTCTCATTTGATTCATCTCCAGAGCAGATCCAGGCTATTAAAGCTGT 1141
QY 1387 TCGAGGAGAAATTCGCGCTCTGAAAGAGAACTGAGCAGCTCAATGACCTTGTCTGCGCA 1446
Db 1142 CAAAGAGAAATTCCTCCCATGAAGATGGAGTAAAGTTGGTGAATGATCTGGCCACCA 1201
QY 1447 GCTTACCACCTTTGGGCAATTCAGCTCTCACCGTATTAACCTCAGCAGCTCTGGAGA 1500
Db 1202 ACTTGCCATTTCTGATGTGCACTTGTCAATGGAGAAATTCAGGCGCTTGGAAACA 1255

RESULT 8
US-09-091-501B-5
; Sequence 5, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Rattus sp.
US-09-091-501B-5

Query Match 4.7%; Score 69.8; DB 4; Length 200;
Best Local Similarity 67.6%; Pred. No. 2.3e-12;
Matches 98; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
QY 5 GATCTAGAAACAGAAACAAGTCAAGGTCAATTTCTCACTCACTCACTGCTGGTGGTGGAT 64
Db 56 GACCTGAAGCTGAGCAGGTGAAGGTGAATTCCTTAACCTCATATGCTGGTGGTGGAT 115

Qy 65 GAATCTAGTGAGATACCGCACTGCTGCTTTGGAGAACAACTTAAGTATTGGAGAT 124
Db 116 GAAACAGTGGGAGAGCGCCACAGCTGTTTGGAGATCAGTTACAGAAAACCTGGGTGAG 175
Qy 125 CGATGGGCAACATCTGTAGATGA 149
Db 176 CGCTGGACAGCTGTATGCCGTGGA 200

RESULT 9
US-09-091-501B-4
; Sequence 4, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-091-501B-4

Query Match 4.6%; Score 69; DB 4; Length 200;
Best Local Similarity 66.4%; Pred. No. 4.1e-12;
Matches 99; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
Qy 1 AGAATCTAGTACAGCAAGTGGTCAATCTCTCACTCAGTGGTGGTAGT 60
Db 52 AAATGACCTTGAAGTGAACAGGTGAAGTAAATCTTCACTCAGTGGTGGTAGT 111
Qy 61 TGATGAATCTAGTGGAGATCAGCAACTGCTGCTTTGGAGAACAACTTAAGTATTGGG 120
Db 112 CGATGAACAGTGGGAGAGTGCACAGCTCTTCTGGAAGATCAGTTACAGAAAACCTGGG 171
Qy 121 AGATCGATGGGCAACATCTGTAGATGA 149
Db 172 TGAGGCTGGACAGCTGTATGCCGTGGA 200

RESULT 10
US-09-091-501B-6
; Sequence 6, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24

; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-091-501B-6
Query Match 4.3%; Score 65; DB 4; Length 200;
Best Local Similarity 65.5%; Pred. No. 7.9e-11;
Matches 95; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
Qy 5 GATCTAGAACAAAGTCAAGTCAAGTCAATCTCTCACTCAGTGGTGGTAGTGGAT 64
Db 56 GATCTTGAAGCTGAACAGGTGAAGTAAATTCACCTCACTCAGTGGTGGTAGT 115
Qy 65 GAATCTAGTGGAGATCAGCAACTGCTGCTTTGGAGAACAACTTAAGTATTGGAGAT 124
Db 116 GAAACAGTGGTGAAGCGCTACAGCTATCTTAGAGACCACTTACAGAAAACCTGGTGAG 175
Qy 125 CGATGGGCAACATCTGTAGATGA 149
Db 176 CGCTGGACAGCTGTATGCCGTGGA 200

RESULT 11
US-09-687-875A-13
; Sequence 13, Application US/09687875A
; Patent No. 6544786
; GENERAL INFORMATION:
; APPLICANT: Xiao, Xiao
; APPLICANT: Liu, Paul
; TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPICED PE
; FILE REFERENCE: 00792
; CURRENT APPLICATION NUMBER: US/09/687,875A
; CURRENT FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/158,868
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 13
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pXX-C2 5' junction
US-09-687-875A-13

Query Match 4.2%; Score 63.6; DB 4; Length 238;
Best Local Similarity 94.3%; Pred. No. 2.5e-10;
Matches 66; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 748 TTCGATGATGCGAGTCTCTTACAAAGACGCTTTGGATACATCAATCAAGTGGAGTGA 807
Db 169 TTCGACGACGAGTACTGTATACAAAGACGCTTTGGATACATCAATCAAGTGGAGTGA 228
Qy 808 ACTTCGGAAA 817
Db 229 ACTTCGGAAA 238

RESULT 12
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner

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/ STREET: 1800 Diagonal Road, Suite 500
/ CITY: Alexandria
/ STATE: VA
/ COUNTRY: USA
/ ZIP: 22313-0299
/ COMPUTER READABLE FORM: disk
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/232,463
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/07/935,313
/ FILING DATE:
/ APPLICATION NUMBER: EP 91 114 300.6
/ FILING DATE: 26-AUG-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: BENT, Stephen A.
/ REGISTRATION NUMBER: 29,768
/ REFERENCE/DOCKET NUMBER: 30472/114 IMMU
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703)836-9300
/ TELEFAX: (703)883-4109
/ TELEX: 899149
/ INFORMATION FOR SEQ ID NO: 14:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 7218 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ CLONE: pTZgpt-F15
/ US-08-232-463-14

Query Match 3.6%; Score 53.4; DB 1; Length 7218;
Best Local Similarity 3.8%; Pred. No. 5.1e-06;
Matches 15; Conservative 220; Mismatches 156; Indels 0; Gaps 0;

QY 914 AAGATGATGATTAAGCCGCGCAGCCTATTGAGCGGACTTTCCAGAGTTTCAAG 973
DB 1436 ACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1377
QY 974 CAGAACGATGTACATAGGCGCTTCAAGAGGGAATGAACTAAGAACCTGTATCATG 1033
DB 1376 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1317
QY 1034 AGTACTCTTGAGACTGTACGAATTTCTGACAGAGCAGCCCTTTGGAAGCACTAGAGAA 1093
DB 1316 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1257
QY 1094 CTCCTACAGAGCCAGAGAGCTGCTCTGAGAGAGAGCCAGATGCTCGGCTT 1153
DB 1256 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1197
QY 1154 CTACGAAAGCGGCTGAGAGGCTCAATAGTGGGGAATAATGAACCTGCACTCGCT 1213
DB 1196 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1137
QY 1214 GACTGGCAGAGAAATAGATGAGACCTTGAAGAACTTCCAGGAACTTCAAGAGGCCAG 1273
DB 1136 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1077
QY 1274 GATGAGCTGGACCTCAAGCTGCGCAAGCTG 1304
DB 1076 RRRRRRRRRATCGCAAGCTCCCTCGACCTG 1046

RESULT 13
US-09-497-855A-37/c
; Sequence 37, Application US/09497855A

/ Patent No. 6605432
/ GENERAL INFORMATION:
/ APPLICANT: Huang, Tim
/ TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
/ FILE REFERENCE: UMO1523
/ CURRENT APPLICATION NUMBER: US/09/497,855A
/ CURRENT FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: 60/120,592
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: 60/118,760
/ PRIOR FILING DATE: 1999-02-05
/ NUMBER OF SEQ ID NOS: 54
/ SOFTWARE: Patent in version 3.0
/ SEQ ID NO 37
/ LENGTH: 193303
/ TYPE: DNA
/ ORGANISM: Homo sapiens;
/ US-09-497-855A-37

Query Match 2.6%; Score 39.4; DB 4; Length 193303;
Best Local Similarity 55.5%; Pred. No. 1.6;
Matches 76; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 243 AAGAAGATGCGAGTGAACAAGATTCAACAACCTGGCTTTAAAGATCAAAATGAAATGTTAT 302
DB 163865 AAGAATCGGCTTTGAGCAGCAGCCCGAACCACTCGTTTTAATGATGCGCAATCAAGTGTGAG 163806
QY 303 CAAGTCTTCAAAAACCTGGCGCTTTAAAAAGCGGATCTAGAAAAGAAAAGCAATCCATGG 362
DB 163805 AGCTAATTCAGACAGAGGATGTTAAATGCTGATTTTAATAGCTTTAAAAAGGCAATC 163746
QY 363 GCAAACTGTATTCATCTC 379
DB 163745 TCTAACTTTTAAAGTC 163729

RESULT 14
US-09-497-855A-44/c
; Sequence 44, Application US/09497855A
; Patent No. 6605432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523
; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 44
; LENGTH: 193303
; TYPE: DNA
; ORGANISM: Homo sapiens;
; US-09-497-855A-44

Query Match 2.6%; Score 39.4; DB 4; Length 193303;
Best Local Similarity 55.5%; Pred. No. 1.6;
Matches 76; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 243 AAGAAGATGCGAGTGAACAAGATTCAACAACCTGGCTTTAAAGATCAAAATGAAATGTTAT 302
DB 163865 AAGAATCGGCTTTGAGCAGCAGCCCGAACCACTCGTTTTAATGATGCGCAATCAAGTGTGAG 163806
QY 303 CAAGTCTTCAAAAACCTGGCGCTTTAAAAAGCGGATCTAGAAAAGAAAAGCAATCCATGG 362
DB 163805 AGCTAATTCAGACAGAGGATGTTAAATGCTGATTTTAATAGCTTTAAAAAGGCAATC 163746
QY 363 GCAAACTGTATTCATCTC 379
DB 163745 TCTAACTTTTAAAGTC 163729
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Job time : 115 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 02:18:29 ; Search time 725.333 Seconds
(without alignments)
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3304383 seqs, 2515761380 residues

Total number of hits satisfying chosen parameters: 6608766

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1501	100.0	3858	10	US-09-845-416-9 Sequence 9, Appli
2	1501	100.0	4825	10	US-09-845-416-29 Sequence 29, Appli
3	1501	100.0	4848	10	US-09-845-416-35 Sequence 35, Appli
4	1501	100.0	5060	10	US-09-845-416-36 Sequence 36, Appli
5	1350	89.9	3999	10	US-09-845-416-6 Sequence 6, Appli
6	1350	89.9	4966	10	US-09-845-416-28 Sequence 28, Appli
7	1350	89.9	4990	10	US-09-845-416-34 Sequence 34, Appli
8	1167	77.7	4182	10	US-09-845-416-2 Sequence 2, Appli
9	1167	77.7	5149	10	US-09-845-416-27 Sequence 27, Appli
10	939.4	62.6	5462	16	US-10-149-736-41 Sequence 41, Appli
11	837	55.8	3531	11	US-09-845-416-11 Sequence 10, Appli
12	837	55.8	4498	10	US-09-845-416-30 Sequence 30, Appli
13	835.6	55.7	8689	16	US-10-149-736-42 Sequence 42, Appli
14	835.6	55.7	11058	10	US-09-845-416-1 Sequence 1, Appli

Sequence 44, Appli
Sequence 47, Appli
Sequence 22, Appli
Sequence 2284, Ap
Sequence 1, Appli
Sequence 434, App
Sequence 434, App
Sequence 981, App
Sequence 981, App
Sequence 108, App
Sequence 40, Appli
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Sequence 12, Appli
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Sequence 11, Appli
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Sequence 9, Appli
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Sequence 23, Appli
Sequence 3, Appli
Sequence 667, App
Sequence 1598, Ap
Sequence 4, Appli

ALIGNMENTS

RESULT 1

US-09-845-416-9
; Sequence 9, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; CURRENT APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 3858
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-9

Query Match 100.0%; Score 1501; DB 10; Length 3858;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGCAGTTCATTGATGAGAGTGAAGTAAACCTGCAGCGTTATCAAAACAGCTTTAGAAGAA 60
Db 1000 GGCAGTTCATTGATGAGAGTGAAGTAAACCTGCAGCGTTATCAAAACAGCTTTAGAAGAA 1059
Qy 61 GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCAACAGAGAGATTCTTAAT 120
Db 1060 GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCAACAGAGAGATTCTTAAT 1119
Qy 121 GATGTGCAAGTGTGAAGACCACTTCTACTCATGAGGGGTACATGATGGATTGACA 180
Db 1120 GATGTGCAAGTGTGAAGACCACTTCTACTCATGAGGGGTACATGATGGATTGACA 1179

181 GCCCATCAGGCGCGGTTGGTAATTTCTACAAATGGGAAGTAAGCTGATTTGGAACAGGA 240
1180 GCCCATCAGGCGCGGTTGGTAATTTCTACAAATGGGAAGTAAGCTGATTTGGAACAGGA 1239
241 AAATTTATCAGAGATCAGAAACTGAAGTACAAAGCAGAGATGATCTCTTAATTTCAAGA 300
1240 AAATTTATCAGAGATCAGAAACTGAAGTACAAAGCAGAGATGATCTCTTAATTTCAAGA 1299
301 TGGGAATGCTCAGGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 360
1300 TGGGAATGCTCAGGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 1359
361 GATCTCCAGANTCAGAACTGAAGATTTGAATGATCTGGCTAAACAAACAGAGAAAGA 420
1360 GATCTCCAGANTCAGAACTGAAGATTTGAATGATCTGGCTAAACAAACAGAGAAAGA 1419
421 ACAAGGAAATGGAGAGAGCTCTTGGACCTGATCTTGAAGACCTAAACGCGCAAGTA 480
1420 ACAAGGAAATGGAGAGAGCTCTTGGACCTGATCTTGAAGACCTAAACGCGCAAGTA 1479
481 CAACAACTAAGGTCTTCAAGAGATCTAGAACAAAGCAAGTCAGGCTCAATTTCTTC 540
1480 CAACAACTAAGGTCTTCAAGAGATCTAGAACAAAGCAAGTCAGGCTCAATTTCTTC 1539
541 ACTCATGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 600
1540 ACTCATGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1599
601 GAACAACTTAAAGTATTTGGAGATCGATGGGCAAACTCTGTAGATGACAGAGAGCCG 660
1600 GAACAACTTAAAGTATTTGGAGATCGATGGGCAAACTCTGTAGATGACAGAGAGCCG 1659
661 TGGGTTCTTTTACAGACACTCATAGATTAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 720
1660 TGGGTTCTTTTACAGACACTCATAGATTAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 1719
721 TTTCTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
1720 TTTCTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1779
781 AAGGAAAGGCTCTTACAGAGATCTCAAGGAGTAAAGAGCTGATGAACAAATGGCAAGAC 840
1780 AAGGAAAGGCTCTTACAGAGATCTCAAGGAGTAAAGAGCTGATGAACAAATGGCAAGAC 1839
841 CTCCAAAGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAG 900
1840 CTCCAAAGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAG 1899
901 AAATCTTGAGATCCTCGAAGGTTCCGATGATGATGATGATGATGATGATGATGATGATGAT 960
1900 AAATCTTGAGATCCTCGAAGGTTCCGATGATGATGATGATGATGATGATGATGATGATGAT 1959
961 AACATGAATCTCAAGTGAGTGAATCTCGGAAAGTCTCTCAACATTAAGTCCCATTTG 1020
1960 AACATGAATCTCAAGTGAGTGAATCTCGGAAAGTCTCTCAACATTAAGTCCCATTTG 2019
1021 GAAGCAGATCTGACAGTGAAGGCTGACACCTTTCTCTGACAGGAACCTTCTGCTGCTG 1080
2020 GAAGCAGATCTGACAGTGAAGGCTGACACCTTTCTCTGACAGGAACCTTCTGCTGCTG 2079
1081 CTAGAGCTGAAGATGATGAATTAAGCGGAGGAGGACCTATTGAGGCGACTTCCAGCA 1140
2080 CTAGAGCTGAAGATGATGAATTAAGCGGAGGAGGACCTATTGAGGCGACTTCCAGCA 2139
1141 GTTCAGAGCAGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
2140 GTTCAGAGCAGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2199
1201 GTAATCATGATGATCTTTGAGACTGTACGAATATTTCTGACAGAGAGCCTTTGGAAGGA 1260
2200 GTAATCATGATGATCTTTGAGACTGTACGAATATTTCTGACAGAGAGCCTTTGGAAGGA 2259
1261 CTAGAGAACTCTACAGAGGCCAGAGAGAGCTGCTCTCTGAGGAGAGAGCCAGATGTC 1320

2260 CTAGAGAACTCTTACAGAGGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGAGATGTC 2319
1321 ACTCGGCTTCTACGAAGCAGGCTGAGGAGTCAATCTAGTGGGAAAAATTTGACCTG 1380
2320 ACTCGGCTTCTACGAAGCAGGCTGAGGAGTCAATCTAGTGGGAAAAATTTGACCTG 2379
1381 CACTCCGCTGACTGCGCAGAGAAAAATAGAGACCCCTTTCAAGACTCCAGGAATTTCAA 1440
2380 CACTCCGCTGACTGCGCAGAGAAAAATAGAGACCCCTTTCAAGACTCCAGGAATTTCAA 2439
1441 GAGGCCACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
2440 GAGGCCACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2499
1501 C 1501
2500 C 2500

RESULT 2
US-09-845-416-29
; Sequence 29, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 4825
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-29

Query Match 100.0%; Score 1501; DB 10; Length 4825;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCAGTTCATTGATGAGAGTGAAGTAAACCTGGACCGTTATCAACACAGCTTTAGAAGAA 60
1757 GCAGTTCATTGATGAGAGTGAAGTAAACCTGGACCGTTATCAACACAGCTTTAGAAGAA 1816
61 GTATTATCTGCTGCTCTTCTCTGCTGAGGACACATTTGCAAGCAGCAAGGAGAGATTTCTAAT 120
1817 GTATTATCTGCTGCTCTTCTCTGCTGAGGACACATTTGCAAGCAGCAAGGAGAGATTTCTAAT 1876
121 GATGTGAAGTGGTGAAGACCAAGCTTCTATCTCATGAGGGGTACATGATGATTTGACA 180
1877 GATGTGAAGTGGTGAAGACCAAGCTTCTATCTCATGAGGGGTACATGATGATTTGACA 1936
181 GCCCATCAGGCGCGGTTGGTAATTTCTACAAATGGGAAGTAAGCTGATTTGGAACAGGA 240
1937 GCCCATCAGGCGCGGTTGGTAATTTCTACAAATGGGAAGTAAGCTGATTTGGAACAGGA 1996
241 AAATTTATCAGAGATGAGAACTGAAGTACAAAGCAGAGATGATCTCTTAATTTCAAGA 300
1997 AAATTTATCAGAGATGAGAACTGAAGTACAAAGCAGAGATGATCTCTTAATTTCAAGA 2056
301 TGGGAATGCTCAGGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 360
2057 TGGGAATGCTCAGGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCT 2116
361 GATCTCCAGANTCAGAACTGAAGATTTGAATGATCTGGCTAAACAAACAGAGAAAGA 420
2117 GATCTCCAGANTCAGAACTGAAGATTTGAATGATCTGGCTAAACAAACAGAGAAAGA 2176

661 TGGGTTCTTTTACAGACACTCATAGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAGAAG 720
Db TGGGTTCTTTTACAGACACTCATAGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAGAAG 2499
721 TTTCTTGGCTGCTTACAGAGCTCAAACTGCAATGCTTACAGAGTCTTACAGGATCTACCGT 780
Db TTTCTTGGCTGCTTACAGAGCTCAAACTGCAATGCTTACAGAGTCTTACAGGATCTACCGT 2559
781 AAGGAAAGCTCCTTAGAAGACTTCAAGGAGTAAAGAGCTGATGAACAAATGGGCAAGAC 840
Db AAGGAAAGCTCCTTAGAAGACTTCAAGGAGTAAAGAGCTGATGAACAAATGGGCAAGAC 2619
841 CTCGAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAGCA 900
Db CTCGAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAGCA 2679
901 AAAATCCTGAGATCCCTGGAAGTTCCGATGATGAGTCTCTGTTACAAAGACGTTTGGAT 960
Db AAAATCCTGAGATCCCTGGAAGTTCCGATGATGAGTCTCTGTTACAAAGACGTTTGGAT 2739
961 AACATGAATCTCAAGTGAAGTGAATTCGGAAGAGTCTCTCAACATTAGTCTCCCATTTG 1020
Db AACATGAATCTCAAGTGAAGTGAATTCGGAAGAGTCTCTCAACATTAGTCTCCCATTTG 2799
1021 GAAGCCAGTTCTGACAGTGAAGGCTCTGCAACCTTTCTCTGCAAGGAACTTCTGCTGTTG 1080
Db GAAGCCAGTTCTGACAGTGAAGGCTCTGCAACCTTTCTCTGCAAGGAACTTCTGCTGTTG 2859
1081 CTACAGCTGAAGATGATGAATTAAGCCGCGAGGCACTTATGAGGCGACTTTCCAGCA 1140
Db CTACAGCTGAAGATGATGAATTAAGCCGCGAGGCACTTATGAGGCGACTTTCCAGCA 2919
1141 GTTCAGAGCAGAACGATGTATCATAGGCTTTCAGAGGGAATTCAGAACTTAAAGAACT 1200
Db GTTCAGAGCAGAACGATGTATCATAGGCTTTCAGAGGGAATTCAGAACTTAAAGAACT 2979
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1321 ACTCGGCTTCTACGAAAGCAGCTGAGGAGTCAATCTAGTGGGAAATTTGAACCTG 1380
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1381 CACTCGGCTGACTGACAGAGAAATAGATGAGCCCTTGAAGACTCCAGGAACTTCAA 1440
Db CACTCGGCTGACTGACAGAGAAATAGATGAGCCCTTGAAGACTCCAGGAACTTCAA 3219
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1501 C 1501
Db 3280 C 3280

RESULT 4

US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777

; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 5060
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-845-416-36

Query Match 100.0%; Score 1501; DB 10; Length 5060;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCAGTTCATTGATGAGAGTGAAGTAAACCTGGACCGTTATCAACACAGCTTTAGAAGAA 60
Db 1992 GGCAGTTCATTGATGAGAGTGAAGTAAACCTGGACCGTTATCAACACAGCTTTAGAAGAA 2051
61 GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCAACAAGGAGAGATTTCTAAT 120
Db 2052 GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCAACAAGGAGAGATTTCTAAT 2111
121 GATGTCGAAGTGGTGAAGACCAAGTTTCTATCTCATGAGGGGTACATGATGATTTGACA 180
Db 2112 GATGTCGAAGTGGTGAAGACCAAGTTTCTATCTCATGAGGGGTACATGATGATTTGACA 2171
181 GCCCATCAGGGCGGGTGGTAAATTTCTCAATTTGGGAAGTAAGCTGATTGGAACAGGA 240
Db 2172 GCCCATCAGGGCGGGTGGTAAATTTCTCAATTTGGGAAGTAAGCTGATTGGAACAGGA 2231
241 AAATTATCAGAGATGAAGAACTGAAGTACAGAGCAGATGAATCTCTTAATTTCAAGA 300
Db 2232 AAATTATCAGAGATGAAGAACTGAAGTACAGAGCAGATGAATCTCTTAATTTCAAGA 2291
301 TGGGAATGCTCAGGGTAGCTAGCATGGAACCAACAAAGCAATTTACATAGAGTTTAAATG 360
Db 2292 TGGGAATGCTCAGGGTAGCTAGCATGGAACCAACAAAGCAATTTACATAGAGTTTAAATG 2351
361 GATCTCCAGAACTCAGAACTGAAAGTTGAATGATCTGCTTAACAAAACAGAGAAAGA 420
Db 2352 GATCTCCAGAACTCAGAACTGAAAGTTGAATGATCTGCTTAACAAAACAGAGAAAGA 2411
421 ACAGAGAAATGGAGAGAGCTCTTGGACCTGATCTTGAAGACTTAAAGCCCAAGTA 480
Db 2412 ACAGAGAAATGGAGAGAGCTCTTGGACCTGATCTTGAAGACTTAAAGCCCAAGTA 2471
481 CAACAACTAAGGTGCTTCAAGAAAGTCTAGAACAAAGCAAAAGTCAGGGTCAATTTCTCTC 540
Db 2472 CAACAACTAAGGTGCTTCAAGAAAGTCTAGAACAAAGCAAAAGTCAGGGTCAATTTCTCTC 2531
541 ACTCATGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 600
Db 2532 ACTCATGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 2591
601 GAACAACTTAAAGTATGGGAGATCGATGGGCAACATCTGTAGATGGAAGAGACCGC 660
Db 2592 GAACAACTTAAAGTATGGGAGATCGATGGGCAACATCTGTAGATGGAAGAGACCGC 2651
661 TGGGTTCTTTTACAGAGACTCATAGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAGAAG 720
Db 2652 TGGGTTCTTTTACAGAGACTCATAGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAGAAG 2711
721 TTTCTTGGCTGCTTACAGAGCTGAAACCACTGCAATGTCTTACAGAGTCTTACCGGT 780
Db 2712 TTTCTTGGCTGCTTACAGAGCTGAAACCACTGCAATGTCTTACAGAGTCTTACCGGT 2771
781 AAGGAAAGCTCCTTAGAAGACTTCAAGGAGTAAAGAGCTGATGAACAAATGGGCAAGAC 840
Db 2772 AAGGAAAGCTCCTTAGAAGACTTCAAGGAGTAAAGAGCTGATGAACAAATGGGCAAGAC 2831
841 CTCGAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAGCA 900
Db 2832 CTCGAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAACAAAGCAAGCA 2891

QY 901 AAAATCCTGAGATCCCTGGAAGTTCCGATGATGACGTCCTGTTTACAAAGACGTTTGGAT 960
Db 2892 AAAATCCTGAGATCCCTGGAAGTTCCGATGATGACGTCCTGTTTACAAAGACGTTTGGAT 2951
QY 961 AACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAACTCTCAACATTAAGTCCCATTTG 1020
Db 2952 AACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAACTCTCAACATTAAGTCCCATTTG 3011
QY 1021 GAAGCCAGTCTGACCAAGTGAAGCGTCTGACACCTTCTCTGCAAGAACTTCTGGTGG 1080
Db 3012 GAAGCCAGTCTGACCAAGTGAAGCGTCTGACACCTTCTCTGCAAGAACTTCTGGTGG 3071
QY 1081 CTACAGCTGAAGATGATGAATTAAGCGGCGAGCGACCTATTTGGAGCGACTTTCACGCA 1140
Db 3072 CTACAGCTGAAGATGATGAATTAAGCGGCGAGCGACCTATTTGGAGCGACTTTCACGCA 3131
QY 1141 GTTCAGAGCAGAACGATGTACATAGGCGCTTCAAGAGGGAATTAAGAACTTAAAGAACCT 1200
Db 3132 GTTCAGAGCAGAACGATGTACATAGGCGCTTCAAGAGGGAATTAAGAACTTAAAGAACCT 3191
QY 1201 GTAATCATGACTACTCTTGAGACTGTACGAATATTTCTGACAGAGCGCTTTGGAAGGA 1260
Db 3192 GTAATCATGACTACTCTTGAGACTGTACGAATATTTCTGACAGAGCGCTTTGGAAGGA 3251
QY 1261 CTGAGAAACTCTACCGAGGCGCAGAGAGCTGCTCTCTGAGGAGAGCGCCAGAAATGTC 1320
Db 3252 CTGAGAAACTCTACCGAGGCGCAGAGAGCTGCTCTCTGAGGAGAGCGCCAGAAATGTC 3311
QY 1321 ACTCGGCTTCTACGAAGACGCTGAGAGGTCAATACTGAGTGGGAAATTTGAACCTG 1380
Db 3312 ACTCGGCTTCTACGAAGACGCTGAGAGGTCAATACTGAGTGGGAAATTTGAACCTG 3371
QY 1381 CACTCGCTGACTGCGCAGAGAAAATAGATGAGACCTTTGAAGACTCCAGGAACCTTCAA 1440
Db 3372 CACTCGCTGACTGCGCAGAGAAAATAGATGAGACCTTTGAAGACTCCAGGAACCTTCAA 3431
QY 1441 GAGCCACGGATGAGTGGACTCAAGCTGGCCAAAGCTGAGGTGATCAAGGGATCCTGG 1500
Db 3432 GAGCCACGGATGAGTGGACTCAAGCTGGCCAAAGCTGAGGTGATCAAGGGATCCTGG 3491
QY 1501 C 1501
Db 3492 C 3492

RESULT 5
US-09-845-416-6
; Sequence 6, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 3999
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-6

Query Match 89.9%; Score 1350; DB 10; Length 3999;
Best Local Similarity 91.4%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 141; Gaps 1;

QY 1 GSCAGTTTCATTGATGAGAGTGAAGTAAACCTGGACCTTATCAACAGCTTTTGAAGAA 60
Db 1000 GCGATTTCATTGATGAGAGTGAAGTAAACCTGGACCTTATCAACAGCTTTTGAAGAA 1059

QY 61 GTATTATCGTGGCTTCTTCTCTGCTGAGGACACATCTGCAAGACCAAGGAGAGATTTCTAAT 120
Db 1060 GTATTATCGTGGCTTCTTCTCTGCTGAGGACACATCTGCAAGACCAAGGAGAGATTTCTAAT 1119
QY 121 GATGTGAACTGGTGAAGACCAAGTTTCATCTCATGAGGGGTACATGATGATTTGACA 180
Db 1120 GATGTGAACTGGTGAAGACCAAGTTTCATCTCATGAGGGGTACATGATGATTTGACA 1179
QY 181 GCCCATCAGGGCGGGTTCGTAAATTTCTCAAAATTTGGGAAGTAAGCTGATTTGGAACAGA 240
Db 1180 GCCCATCAGGGCGGGTTCGTAAATTTCTCAAAATTTGGGAAGTAAGCTGATTTGGAACAGA 1239
QY 241 AAATTTACAGAGATGAAGAACTGAAGTACAAAGACAGATGAATCTCTAAATTTCAAGA 300
Db 1240 AAATTTACAGAGATGAAGAACTGAAGTACAAAGACAGATGAATCTCTAAATTTCAAGA 1299
QY 301 TGGGAATGCTCAGGGTAGCTAGCATGGAATGGAATAAAGCAATTTACATAGAGTTTAAATG 360
Db 1300 TGGGAATGCTCAGGGTAGCTAGCATGGAATGGAATAAAGCAATTTACATAGAGTTTAAATG 1359
QY 361 GATCTCCAGAACTCAGAACTGAAGAGTTGAATGATCTGGCTAAACAAAAAACAGAGAAGA 420
Db 1360 GATCTCCAGAACTCAGAACTGAAGAGTTGAATGATCTGGCTAAACAAAAAACAGAGAAGA 1419
QY 421 ACAAGGAAATGGAGGAGAGCGCTCTTGACCTGATCTTTGAAGACCTAAAAACGCCAAGTA 480
Db 1420 ACAAGGAAATGGAGGAGAGCGCTCTTGACCTGATCTTTGAAGACCTAAAAACGCCAAGTA 1479
QY 481 CAACAACTAAAGTGTCTCAAGAAATCTAGAACCAAGTCAAGTCAAGGTCAATTTCTCTC 540
Db 1480 CAACAACTAAAGTGTCTCAAGAAATCTAGAACCAAGTCAAGTCAAGGTCAATTTCTCTC 1539
QY 541 ACTCATGCTGGTGGTGTAGTTGATGATCTAGTGGAGATCAGCACTCTGCTGTTTGGAA 600
Db 1540 ACTCATGCTGGTGGTGTAGTTGATGATCTAGTGGAGATCAGCACTCTGCTGTTTGGAA 1599
QY 601 GAACAACTTAAAGTATTTGGAGATCGATGGGCAAAACATCTGTAGATGGAAGAGCCGC 660
Db 1600 GAACAACTTAAAGTATTTGGAGATCGATGGGCAAAACATCTGTAGATGGAAGAGCCGC 1659
QY 661 TGGGTTCTTTTACAAGAC----- 678
Db 1660 TGGGTTCTTTTACAAGAC----- 1719
QY 679 ----- 678
Db 1720 CCTACTCAGACTGTTACTCTGGTGACACAACTGTGGTTACTTAAGAAACTGCCATCTCC 1779
QY 679 -----ACTCATAGATTACTGCAACAG 699
Db 1780 AAACATGAATGCCATCTTCTTGTGATGTTGGAGTACTTACTCATAGATTACTGCAACAG 1839
QY 700 TTCCCTCTGGACCTGGAAGTTTCTTGGCTTACAGAGCTGAAACACTGCCAAT 759
Db 1840 TTCCCTCTGGACCTGGAAGTTTCTTGGCTTACAGAGCTGAAACACTGCCAAT 1899
QY 760 GTCTACAGGATGCTACCCGTAAGAAAGGCTCTTAGAAGACTCCAAAGGGAGTAAAGAG 819
Db 1900 GTCTACAGGATGCTACCCGTAAGAAAGGCTCTTAGAAGACTCCAAAGGGAGTAAAGAG 1959
QY 820 CTGATGAACAAATGGCAAGACCTCCAAAGGTGAATTTGAAGTCTCACACAGATGTTATCAC 879
Db 1960 CTGATGAACAAATGGCAAGACCTCCAAAGGTGAATTTGAAGTCTCACACAGATGTTATCAC 2019
QY 880 AACCTGATGAACAAACAGCCAAAAATCTTGAGATCCCTGGAAGTTTCCGATGATGCAGTC 939
Db 2020 AACCTGATGAACAAACAGCCAAAAATCTTGAGATCCCTGGAAGTTTCCGATGATGCAGTC 2079
QY 940 CTGTTACAAAGACGTTTGGATAAATGAACCTCAAGTGGAGTGAACCTTCGGAATAAGTCT 999
Db 2080 CTGTTACAAAGACGTTTGGATAAATGAACCTCAAGTGGAGTGAACCTTCGGAATAAGTCT 2139

QY 1120 ATTGGAGGCGACTTTCCAGCAGTTTCAGAAAGCAGAACGATGTACATAGGGCTTCAAGAGG 1179
DB 3017 ATTGGAGGCGACTTTCCAGCAGTTTCAGAAAGCAGAACGATGTACATAGGGCTTCAAGAGG 3076
QY 1180 GAATTTGAAACTTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTACGAATATTCTG 1239
DB 3077 GAATTTGAAACTTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTACGAATATTCTG 3136
QY 1240 ACAGAGCAGCTTTGGAAAGGACTAGAGAACTCTTACCAGAGGCCAGAGAGCTGCCTCCT 1299
DB 3137 ACAGAGCAGCTTTGGAAAGGACTAGAGAACTCTTACCAGAGGCCAGAGAGCTGCCTCCT 3196
QY 1300 GAGGAGAGGCCAGAAATGTCATCTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCATATCT 1359
DB 3197 GAGGAGAGGCCAGAAATGTCATCTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCATATCT 3256
QY 1360 GAGTGGGAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAATAGATGAGACCTT 1419
DB 3257 GAGTGGGAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAATAGATGAGACCTT 3316
QY 1420 GAAAGACTCCAGGAACTTCAAGAGGCCACGATGAGCTGAGCTCAAGCTGCGCCAAGCT 1479
DB 3317 GAAAGACTCCAGGAACTTCAAGAGGCCACGATGAGCTGAGCTCAAGCTGCGCCAAGCT 3376
QY 1480 GAGTGATCAAGGATCCTGCG 1501
DB 3377 GAGTGATCAAGGATCCTGCG 3398

RESULT 7
US-09-845-416-34
; Sequence 34, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DEL142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-34

Query Match 89.9%; Score 1350; DB 10; Length 4990;
Best Local Similarity 91.4%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 141; Gaps 1;

QY 1 1781 GGCAGTTTCATTGATGGAGAGTGAAGTAAACCTGGACCGCTTATCAACAGCTTTAGAAAGAA 60
DB 1781 GGCAGTTTCATTGATGGAGAGTGAAGTAAACCTGGACCGCTTATCAACAGCTTTAGAAAGAA 1840
QY 61 GTATATCGTGGCTTCTTCTGCTGAGGACATTCGAGCAGACATTCGAGCAGAGGATTTCTAAT 120
DB 1841 GTATATCGTGGCTTCTTCTGCTGAGGACATTCGAGCAGACATTCGAGCAGAGGATTTCTAAT 1900
QY 121 GATGTGAAGTGGTGAAGAGCAGTTTCATATCTCATGAGGGGTACATGATGATTTGACA 180
DB 1901 GATGTGAAGTGGTGAAGAGCAGTTTCATATCTCATGAGGGGTACATGATGATTTGACA 1960
QY 181 GCCCATACGGCCGGGTTGGTAAATTTCTCAATTTGGGAAGTAACTGATGGAAACAGGA 240
DB 1961 GCCCATACGGCCGGGTTGGTAAATTTCTCAATTTGGGAAGTAACTGATGGAAACAGGA 2020
QY 241 AAATTTATCAGAGAGTGAAGAACTGAAGTCAAGAGCAGATGAATCTCCATAAATTCAGA 300
DB 2021 AAATTTATCAGAGAGTGAAGAACTGAAGTCAAGAGCAGATGAATCTCCATAAATTCAGA 2080

QY 301 TGGGAATGCTTCAGGCTAGCTAGCATGGAAAAACAAAGCAATTTACATAGAGTTTAAATG 360
DB 2081 TGGGAATGCTTCAGGCTAGCTAGCATGGAAAAACAAAGCAATTTACATAGAGTTTAAATG 2140
QY 361 GATCTCCAGATCAGAACTGAAAGAGTTGAATGCTGGCTAAACAAACAGAAAGAA 420
DB 2141 GATCTCCAGATCAGAACTGAAAGAGTTGAATGCTGGCTAAACAAACAGAAAGAA 2200
QY 421 ACAAGAAAAATGGAGAAAGAGCTCTTGAGACCTGATCTTTGAAGACCTAAAAACGCAAGTA 480
DB 2201 ACAAGAAAAATGGAGAAAGAGCTCTTGAGACCTGATCTTTGAAGACCTAAAAACGCAAGTA 2260
QY 481 CAACAACTAAGAGTGTCTCAAGAGATCTAGAAACAAAGAAACAAAGTCAAGGTCAATTTCTCTC 540
DB 2261 CAACAACTAAGAGTGTCTCAAGAGATCTAGAAACAAAGAAACAAAGTCAAGGTCAATTTCTCTC 2320
QY 541 ACTCATGCTGGTGGTGTAGTTGATGAATCTAGTGAGATCAGCAACTGCTCTTTGAA 600
DB 2321 ACTCATGCTGGTGGTGTAGTTGATGAATCTAGTGAGATCAGCAACTGCTCTTTGAA 2380
QY 601 GAACAACTTAAAGTATTTGGGAGATCGATGGGCAAACTCTGTAGATGAGACAAACGCGC 660
DB 2381 GAACAACTTAAAGTATTTGGGAGATCGATGGGCAAACTCTGTAGATGAGACAAACGCGC 2440
QY 661 TGGGTTCTTTTACAGAC----- 678
DB 2441 TGGGTTCTTTTACAGAC----- 2500
QY 679 ----- 678
DB 2501 CCTACTCAGACTGTACTCTGCTGACACAACTGTGTTACTAAGAAACTGCCATCTCC 2560
QY 679 -----ACTCATAGATTACTGCAACAG 699
DB 2561 AAACATAGAAATGCCATCTTCTTGATTTGGAGGTACCTACTCATAGATTACTGCAACAG 2620
QY 700 TTCCCTCTGGACCTGGAAAAAGTTTCTTGCTGGCTTACAGAAAGCTGAAACAACTGCCAT 759
DB 2621 TTCCCTCTGGACCTGGAAAAAGTTTCTTGCTGGCTTACAGAAAGCTGAAACAACTGCCAT 2680
QY 760 GTCTACAGGATGCTACCCGTAAAGGAAAGCTTCTAGAAAGCTTCAAGGGAGTAAAGAG 819
DB 2681 GTCTACAGGATGCTACCCGTAAAGGAAAGCTTCTAGAAAGCTTCAAGGGAGTAAAGAG 2740
QY 820 CTGATGAAACAAATGGCAGACCTCCAAAGGTGAAATTTGAAGCTCACACAGATGTTTATCAC 879
DB 2741 CTGATGAAACAAATGGCAGACCTCCAAAGGTGAAATTTGAAGCTCACACAGATGTTTATCAC 2800
QY 880 AACCTGGATGAAAAACAGCCAAAAAATCTTGAGATCCCTGGAAGGTTCCGATGATGAGTC 939
DB 2801 AACCTGGATGAAAAACAGCCAAAAAATCTTGAGATCCCTGGAAGGTTCCGATGATGAGTC 2860
QY 940 CTGTTACAAAGACGTTTGGATTAACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAGTCT 999
DB 2861 CTGTTACAAAGACGTTTGGATTAACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAGTCT 2920
QY 1000 CTCAACATTAGGTCCCATTTTGAAGCCAGTTCTGACCAAGTGAAGGCTCTGCACCTTTCT 1059
DB 2921 CTCAACATTAGGTCCCATTTTGAAGCCAGTTCTGACCAAGTGAAGGCTCTGCACCTTTCT 2980
QY 1060 CTGCAGAACTTCTGCTGGCTTACAGCTGAAAGATGATGAATTAAGCGCGCAGGACCT 1119
DB 2981 CTGCAGAACTTCTGCTGGCTTACAGCTGAAAGATGATGAATTAAGCGCGCAGGACCT 3040
QY 1120 ATTGGAGGCGACTTTCCAGCAGTTTCAGAAAGCAGAACGATGTACATAGGGCTTCAAGAGG 1179
DB 3041 ATTGGAGGCGACTTTCCAGCAGTTTCAGAAAGCAGAACGATGTACATAGGGCTTCAAGAGG 3100
QY 1180 GAATTTGAAACTTAAAGAACTGTAAATCATGAGTACTCTTTGAGACTGTAAGATATTCTTG 1239
DB 3101 GAATTTGAAACTTAAAGAACTGTAAATCATGAGTACTCTTTGAGACTGTAAGATATTCTTG 3160

Qy	1240	ACAGAGCAGCGCTTTGGAAAGGACTAGAGAACTCTTACAGAGAGGCCAGAGAGTGCCTTCCT	12999
Db	3161	ACAGAGCAGCGCTTTGGAAAGGACTAGAGAACTCTTACAGAGAGGCCAGAGAGTGCCTTCCT	3220
Qy	1300	GAGGAGAGAGCCACAGAAATGTCACTTCGGCTTCTACGAAGAAGCAGAGCTGAGGAGGTCAATACT	1359
Db	3221	GAGGAGAGAGCCACAGAAATGTCACTTCGGCTTCTACGAAGAAGCAGAGCTGAGGAGGTCAATACT	3280
Qy	1360	GAGTGGGAAAAATTGAACCTCGCACTCCGCTGACTGGCAGAGAAAAATAGATGAGAGCCCTT	1419
Db	3281	GAGTGGGAAAAATTGAACCTCGCACTCCGCTGACTGGCAGAGAAAAATAGATGAGAGCCCTT	3340
Qy	1420	GAAGAAGCTCCAGAGAACTTCAAGAGGCCACGAGTAGAGCTTGAAGCTCAAGCTGCCCAAGCT	1479
Db	3341	GAAGAAGCTCCAGAGAACTTCAAGAGGCCACGAGTAGAGCTTGAAGCTCAAGCTGCCCAAGCT	3400
Qy	1480	GAGGTGATCAAGGGATCCTGGC	1501
Db	3401	GAGGTGATCAAGGGATCCTGGC	3422

RESULT 8

```

US-09-845-416-2
; Sequence 2, Application US/09845416
; Publication No. US2003017132A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-2

```

Qy	421	ACAAGGAATGAGGAGAGGCTCTTTGGACCTGTGATCTTGAAGACCTATAAAAGCCCAAGTA	480
Db	1420	ACAAGGAATGAGGAGAGGCTCTTTGAACCTGTGATCTTGAAGACCTATAAAAGCCCAAGTA	1479
Qy	481	CAACAACATAAGGTGCTTTCAAGAAGATCTAGAACAAAGAACAACTCAGGGTCAATTCTCTC	540
Db	1480	CAACAACATAAGGTGCTTTCAAGAAGATCTAGAACAAAGAACAACTCAGGGTCAATTCTCTC	1539
Qy	541	ACTCACATGGTGTGTAGTGTGATGAATCTAGTGGAGATCACGCCAATCGCTGCTTTGGAA	600
Db	1540	ACTCACATGGTGTGTAGTGTGATGAATCTAGTGGAGATCACGCCAATCGCTGCTTTGGAA	1599
Qy	601	GAACAACTTAAAGTATTGGGAGATCGATGGCAAAACATCTGTAGATGGACAGAAGACCGC	660
Db	1600	GAACAACTTAAAGTATTGGGAGATCGATGGCAAAACATCTGTAGATGGACAGAAGACCGC	1659
Qy	661	TGGGTTCTTTTCAAGAC	678
Db	1660	TGGGTTCTTTTCAAGACATCTCTTCTCAATGGCAACGCTTACTGAAGAACAGTGCCTT	1719
Qy	679	-----	678
Db	1720	TTTGTGTCATGGCTTTTCAGAAAAAGAGATGCAGTGAACAAGATTCAACAACTGGCTTT	1779
Qy	679	-----	678
Db	1780	AAAGATCAAAATGAATGTTATCAAGCTTTCAAAACTGGCGTTTTTAAAGCGGATCTA	1839
Qy	679	-----	678
Db	1840	GAAGAAGAAAAAGCAATCCATCGGCAAACTGTATTCACTCAAAACAAGATCTTCTTCAACA	1899
Qy	679	-----	678
Db	1900	CTGAAGAAATAAGTCACTAGTACCCAGAAGACGGAGCGATGGATTAATTTTCCCGCGTGT	1959
Qy	679	-----ACTCATAGATTACTGCAA	696
Db	1960	TGGGATAATTTAGTCCAAAAAATTGAAAAAGATACAGCACAGACTCATAGATTACTGCAA	2019
Qy	697	CAGTCCCGCTGGACCTGGAAAGTTTCTTGCTGCTTACAGAGCTGAACAACATGCGC	756
Db	2020	CAGTCCCGCTGGACCTGGAAAGTTTCTTGCTGCTTACAGAGCTGAACAACATGCGC	2079
Qy	757	AATGTCTCTACAGATGCTACCGTAAAGAAAGCTCTTAGAAGACTCCAAGGAGTAAAA	816
Db	2080	AATGTCTCTACAGATGCTACCGTAAAGAAAGCTCTTAGAAGACTCCAAGGAGTAAAA	2139
Qy	817	GAGCTCATGAAACAATGGCAAGACCTCCAAGGTGAAATTTGAAGCTCACACAGATGTTAT	876
Db	2140	GAGCTCATGAAACAATGGCAAGACCTCCAAGGTGAAATTTGAAGCTCACACAGATGTTAT	2199
Qy	877	CACAACTCGATGAAACAGCCAAAAAAATCTCGAGATCCCTGGAAAGTTCGATGATCA	936
Db	2200	CACAACTCGATGAAACAGCCAAAAAAATCTCGAGATCCCTGGAAAGTTCGATGATCA	2259
Qy	937	GTCCCTGTACAAGACGTTTGGATAACATGAACCTCAAGTGGAGTGAACCTTCGAAAAAG	996
Db	2260	GTCCCTGTACAAGACGTTTGGATAACATGAACCTCAAGTGGAGTGAACCTTCGAAAAAG	2319
Qy	997	TCTCTCAACATTAGTCCATTGGAAAGCCAGTTCTGACAGTGGAAAGCGTCTGACCTT	1056
Db	2320	TCTCTCAACATTAGTCCATTGGAAAGCCAGTTCTGACAGTGGAAAGCGTCTGACCTT	2379
Qy	1057	TCTCTCAGGAACTTCTGCTGTGGCTTACAGCTGAAAGATGATGAATTAAGCCGGCAGGCA	1116
Db	2380	TCTCTCAGGAACTTCTGCTGTGGCTTACAGCTGAAAGATGATGAATTAAGCCGGCAGGCA	2439
Qy	1117	CTATTGGAGGCGACTTTCCAGAGTTTCAAGACGAAACGATGTGTACATAGGCCCTTCAAG	1176
Db	2440	CTATTGGAGGCGACTTTCCAGAGTTTCAAGACGAAACGATGTGTACATAGGCCCTTCAAG	2499

QY	1177	ACGGATTGAAACTAAGAACCTGTAATCATGAGTACTCTTGAGACTGTACGAATATTT	1236
Db	2500	AGGGAATTGAAACTAAGAACCTGTAATCATGAGTACTCTTGAGACTGTACGAATATTT	2559
QY	1237	CTGACAGAGCAGCCTTTGGGAAGGACTAGAGAACTCTTACAGAGAGCCAGAGAGCTGCCT	1296
Db	2560	CTGACAGAGCAGCCTTTGGGAAGGACTAGAGAACTCTTACAGAGAGCCAGAGAGCTGCCT	2619
QY	1297	CCTGAGAGAGAGCCAGAGATGTCACTCGGCTTCTAGGAAGCAGGCTGAGGAGTCAAT	1356
Db	2620	CCTGAGAGAGAGCCAGAGATGTCACTCGGCTTCTAGGAAGCAGGCTGAGGAGTCAAT	2679
QY	1357	ACTGAGTGGGAAAAATGAACTGCACTCCGCTGACTGGCGAGAGAAAAATAGATGAGACC	1416
Db	2680	ACTGAGTGGGAAAAATGAACTGCACTCCGCTGACTGGCGAGAGAAAAATAGATGAGACC	2739
QY	1417	CTTGAAGAATCCAGGAACCTTCAAGAGGCCAGGATGAGCTGGAACCTCAAGCTGGCCAA	1476
Db	2740	CTTGAAGAATCCAGGAACCTTCAAGAGGCCAGGATGAGCTGGAACCTCAAGCTGGCCAA	2799
QY	1477	GCTCAGGTGATCAAGGATCCTGGC	1501
Db	2800	GCTCAGGTGATCAAGGATCCTGGC	2824
RESULT 9			
US-09-845-416-27			
; Sequence 27, Application US/09845416			
; Publication No. US20030171312A1			
; GENERAL INFORMATION:			
; APPLICANT: XIAO, XIAO			
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE			
; FILE REFERENCE: DB1142			
; CURRENT APPLICATION NUMBER: US/09/845,416			
; CURRENT FILING DATE: 2001-04-30			
; PRIOR APPLICATION NUMBER: 60/200,777			
; PRIOR FILING DATE: 2000-04-28			
; NUMBER OF SEQ ID NOS: 36			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 27			
; LENGTH: 5149			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-845-416-27			
Query Match 77.7%; Score 1167; DB 10; Length 5149;			
Best Local Similarity 82.2%; Pred. No. 0;			
Matches 1501; Conservative 0; Mismatches 0; Indels 324; Gaps 1;			
QY	1	GGCAGTTCATTGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGCTTTAGAAGAA	60
Db	1757	GGCAGTTCATTGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGCTTTAGAAGAA	1816
QY	61	GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCACAGGAGAGATTCTTAAT	120
Db	1817	GTATTATCGTGGCTTCTTCTGCTGAGGACACATTGCAAGCACAGGAGAGATTCTTAAT	1876
QY	121	GATGTGGAAGTGGTGAAGACACAGCTTCATCTCATGAGGGGTACATGATGATTTGACA	180
Db	1877	GATGTGGAAGTGGTGAAGACACAGCTTCATCTCATGAGGGGTACATGATGATTTGACA	1936
QY	181	GCCCATCAGGCCCGGTTGGTAATTTCTCAATTTGGGAAGTAACTGATTTGGAAACAGGA	240
Db	1937	GCCCATCAGGCCCGGTTGGTAATTTCTCAATTTGGGAAGTAACTGATTTGGAAACAGGA	1996
QY	241	AAATTATCAGAAGATGAAGAACTGAAGTCAAGAGCAGATGAATCTCTTAATTCAGA	300
Db	1997	AAATTATCAGAAGATGAAGAACTGAAGTCAAGAGCAGATGAATCTCTTAATTCAGA	2056
QY	301	TGGGAATGCTCAGGGTAGCTAGCATGGAAGAAACAAAGCAATTTACATAGATTTTAATG	360
Db	2057	TGGGAATGCTCAGGGTAGCTAGCATGGAAGAAACAAAGCAATTTACATAGATTTTAATG	2116

QY	361	GATCTCCAGAACTCAAGAACTGAAAGAGTTGAATGATGCTGCTAAACAAAACAGAGAAAGA	420
Db	2117	GATCTCCAGAACTCAAGAACTGAAAGAGTTGAATGATGCTGCTAAACAAAACAGAGAAAGA	2176
QY	421	ACAAGGAAAAATGGAGAAAGAGCCTTTGGACCTGATCTTTGAAGACCTTAAACGCCAAGTA	480
Db	2177	ACAAGGAAAAATGGAGAAAGAGCCTTTGGACCTGATCTTTGAAGACCTTAAACGCCAAGTA	2236
QY	481	CAACCAACATAAGGTCTTTCAAGAGAGATCTAGAAACAAGAACCAAGTCAGGGTCAATTTCTCTC	540
Db	2237	CAACCAACATAAGGTCTTTCAAGAGAGATCTAGAAACAAGAACCAAGTCAGGGTCAATTTCTCTC	2296
QY	541	ACTCAATGCTGGTGGTGGTGAATGAATCTAGTGGAGATCAAGCACTGCTGCTTTGGAA	600
Db	2297	ACTCAATGCTGGTGGTGGTGAATGAATCTAGTGGAGATCAAGCACTGCTGCTTTGGAA	2356
QY	601	GAACCACTTAAGTATTCGGGAGATCGATGGGCAACATCTGTAGATGACAGAGAACCGC	660
Db	2357	GAACCACTTAAGTATTCGGGAGATCGATGGGCAACATCTGTAGATGACAGAGAACCGC	2416
QY	661	TGGGTTCTTTTACAAGAC	678
Db	2417	TGGGTTCTTTTACAAGACATCCTTCTCAAAATGGCAACGCTTCTTACTGAAGAACAGTGCCTT	2476
QY	679	-----	678
Db	2477	TTTAGTGCATGGCTTTTCAGAAAAAAGAGATGAGTGAACCAAGANTTCAACAACTGGCTTT	2536
QY	679	-----	678
Db	2537	AAAGATCAAAATGAAATGTTATCAAGTCTTCAAAACTGGCCGTTTAAACGGGATCTA	2596
QY	679	-----	678
Db	2597	GAAGAAAAAGCAATCCATGGGCAAACTGTATTCACTCAAAACAAGATCTTCTTTCAACA	2656
QY	679	-----	678
Db	2657	CTGAAGATAAGTCAAGTCAAGCAGAGAGCGAAGCATGGCTGGATAAATTTTCCCGGTGT	2716
QY	679	-----	678
Db	2717	TGGGATAATTTAGTCCAAAAAATTGAAAAAGAGTACAGCAGACAGATCATAGATTTACTGCAA	2776
QY	697	CAGTTCCTCCCTGGACCTGGAAGAGTTCTTGGCTGGCTTACAGAGCTGAAACAACTGCC	756
Db	2777	CAGTTCCTCCCTGGACCTGGAAGAGTTCTTGGCTGGCTTACAGAGCTGAAACAACTGCC	2836
QY	757	AATGTCTTACAGGATGCTACCCGTTAAGGAAAGGCTCTTGAAGAGCTCCAAAGGAGTAAAA	816
Db	2837	AATGTCTTACAGGATGCTACCCGTTAAGGAAAGGCTCTTGAAGAGCTCCAAAGGAGTAAAA	2896
QY	817	GAGCTGATGAACAAATGGCAAGACCTTCAAGGTGAATTTGAAGCTCACAAGATGTTTAT	876
Db	2897	GAGCTGATGAACAAATGGCAAGACCTTCAAGGTGAATTTGAAGCTCACAAGATGTTTAT	2956
QY	877	CACAACTCGATGAACAAAGCAAGCAAAATCTTGAAGATCCCTGAGATCCCTGAAGGTTCCGATGATGA	936
Db	2957	CACAACTCGATGAACAAAGCAAGCAAAATCTTGAAGATCCCTGAGATCCCTGAAGGTTCCGATGATGA	3016
QY	937	GTCTCTGTACAAGAGAGCTTTGGATAACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAG	996
Db	3017	GTCTCTGTACAAGAGAGCTTTGGATAACATGAACCTCAAGTGGAGTGAACCTTCGGAAGAG	3076
QY	997	TCCTCAACATTTAGGTCCCATTTGGAGCCAGCTTCTGACCAAGTGGAGGCTTCTGCACCTT	1056
Db	3077	TCCTCAACATTTAGGTCCCATTTGGAGCCAGCTTCTGACCAAGTGGAGGCTTCTGCACCTT	3136
QY	1057	TCCTCGCAGGAATCTTCTGGTGTGGCTACAGCTGAAAGATGATGAATTAAGCCGCGCAGGA	1116
Db	3137	TCCTCGCAGGAATCTTCTGGTGTGGCTACAGCTGAAAGATGATGAATTAAGCCGCGCAGGA	3196


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QY 1321 ACTCGGCTTCTACGAAGCAGCGTGGAGGTCATCTAGTGGGAAAAATTGAACCTG 1380
Db 2309 ACTCGGCTTCTACGAAGCAGCGTGGAGGTCATCTAGTGGGAAAAATTGAACCTG 2368
QY 1381 CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGATCCAGGAACTTCAA 1440
Db 2369 CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGATCCAGGAACTTCAA 2428
QY 1441 GAGGCCACGATGAGCTGGACCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATCCTGG 1500
Db 2429 GAGGCCACGATGAGCTGGACCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATCCTGG 2488
QY 1501 C 1501
Db 2489 C 2489

RESULT 11
US-09-845-416-10
; Sequence 10, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 10
; LENGTH: 3531
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-10

Query Match 55.8%; Score 837; DB 10; Length 3531;
Best Local Similarity 78.2%; Pred. No. 1.7e-234;
Matches 1174; Conservative 0; Mismatches 0; Indels 327; Gaps 1;

QY 1 GGCAGTTTCATTGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGAGCTTTAGAAAGAA 60
Db 1000 GGCAGTTTCATTGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGAGCTTTAGAAAGAA 1059
QY 61 GTATTATCGTGGCTTCCTTCTGCTGAGGACACATTGCAAGCACAAGGAGAGATTCTTAAT 120
Db 1060 GTATTATCGTGGCTTCCTTCTGCTGAGGACACATTGCAAGCACAAGGAGAGATTCTTAAT 1119
QY 121 GATGTGGAAGTGGTGAAGACAGTTTCATCTACTGAGGGGTACATGATGATTTGACA 180
Db 1120 GATGTGGAAGTGGTGAAGACAGTTTCATCTACTGAGGGGTACATGATGATTTGACA 1179
QY 181 GCCCATCAGGCGCGGTTGGTAATTTCTAATTTGGAAGTAAAGCTGATTGGAAACAGGA 240
Db 1180 GCCCATCAGGCGCGGTTGGTAATTTCTAATTTGGAAGTAAAGCTGATTGGAAACAGGA 1239
QY 241 AAATTATCAGAAGATGAAGAACTGAAGTA CAAGAGCAGATGAATCTCTTAATTCAGA 300
Db 1240 AAATTATCAGAAGATGAAGAACTGAAGTA CAAGAGCAGATGAATCTCTTAATTCAGA 1299
QY 301 TGGGAATCCCTCAGGTAGCTAGCATGGAAGAAACAAAGCAATTTACATAGAGTTTAAATG 360
Db 1300 TGGGAATCCCTCAGGTAGCTAGCATGGAAGAAACAAAGCAATTTACATAGAGTTTAAATG 1350
QY 361 GATCTCCAGAACTCAGAAAGTGAAGATGATGATGCTGGCTGACAAAACAGAAAGA 420
Db 1351 ----- 1350
QY 421 ACAAGAAATGGAGAGAGCGCTCTTGGAAGCTGATCTTGAGAGCTTAAAGCGCAAGTA 480
Db 1351 ----- 1350
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QY 481 CAACAACATAAGTGTCTTCAAGAGATCTAGAACAGAACAAAGTCAGGGTCAATTCTCTC 540
Db 1351 ----- 1350
QY 541 ACTCATGTGGTGGTGTAGTTGATGAATCTAGTGGAGATCAGCAACTGCTGCTCTTGGAA 600
Db 1351 ----- 1350
QY 601 GAAACAACTTAAAGTATTGGGAGATCGATGGGCAAAACATCTGTAGATGGACAGAGACGCG 660
Db 1351 ----- 1350
QY 661 TGGGTTCTTTTACAAGACACTCATAGATTACTGCAAGAGTTCCCTCGGACTGGAAAG 720
Db 1351 -----ACTCATAGATTACTGCAAGAGTTCCCTCGGACTGGAAAG 1392
QY 721 TTTCTTGCTGCTTTACAGAAAGCTGAAACAACTGCCAATGTCCTACAGGATGCTACCCGT 780
Db 1393 TTTCTTGCTGCTTTACAGAAAGCTGAAACAACTGCCAATGTCCTACAGGATGCTACCCGT 1452
QY 781 AAGGAAAGCGCTCCTAGAAAGACTCCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGAC 840
Db 1453 AAGGAAAGCGCTCCTAGAAAGACTCCAAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGAC 1512
QY 841 CTCCAAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCAA 900
Db 1513 CTCCAAGGTGAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCAA 1572
QY 901 AAAATCCTGAGATCCCTGGAAGGTTCCGATGATGAGTCTGTGTTACAAAGAGCTTTGGAT 960
Db 1573 AAAATCCTGAGATCCCTGGAAGGTTCCGATGATGAGTCTGTGTTACAAAGAGCTTTGGAT 1632
QY 961 AACATGAATCTCAAGTGGAGTAACTTCGGAAGAGTCTCTCAACATATTAGGTCCCATTTG 1020
Db 1633 AACATGAATCTCAAGTGGAGTAACTTCGGAAGAGTCTCTCAACATATTAGGTCCCATTTG 1692
QY 1021 GAAGCCAGTTCTGACCAGTGAAGGCTCTGCAACCTTCTCTGACGAACTTCTGFTGTGG 1080
Db 1693 GAAGCCAGTTCTGACCAGTGAAGGCTCTGCAACCTTCTCTGACGAACTTCTGFTGTGG 1752
QY 1081 CTACAGCTGAAGATGATGAATTAAGCCGAGGACCTATTGGAGGCGACTTTCCAGCA 1140
Db 1753 CTACAGCTGAAGATGATGAATTAAGCCGAGGACCTATTGGAGGCGACTTTCCAGCA 1812
QY 1141 GTTCAGAAGCAGAACGATGTACATAGGGCTTCAAGAGGAAATTTGAAAACTTAAAGAACCT 1200
Db 1813 GTTCAGAAGCAGAACGATGTACATAGGGCTTCAAGAGGAAATTTGAAAACTTAAAGAACCT 1872
QY 1201 GTAATCATGAGTACTCTTGAGACTGTGCAATATTTCTGACAGAGCAGCTTTGGAAGGA 1260
Db 1873 GTAATCATGAGTACTCTTGAGACTGTGCAATATTTCTGACAGAGCAGCTTTGGAAGGA 1932
QY 1261 CTAGAGAACTCTACCAAGGCGCCAGAGAGCTGCCTCTGAGGAGAGAGCCAGAGATGTC 1320
Db 1933 CTAGAGAACTCTACCAAGGCGCCAGAGAGCTGCCTCTGAGGAGAGAGCCAGAGATGTC 1992
QY 1321 ACTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCAATFACAGTGGGAAAAATTGAACCTG 1380
Db 1993 ACTCGGCTTCTACGAAAGCAGGCTGAGGAGGTCAATFACAGTGGGAAAAATTGAACCTG 2052
QY 1381 CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGCTCCAGGAACTTCAA 1440
Db 2053 CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGCTCCAGGAACTTCAA 2112
QY 1441 GAGGCCACGATGAGCTGGACCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATCCTGG 1500
Db 2113 GAGGCCACGATGAGCTGGACCTCAAGCTGCGCCAGCTGAGTGATCAAGGGATCCTGG 2172
QY 1501 C 1501
Db 2173 C 2173
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RESULT 12
 US-09-845-416-30
 ; Sequence 30, Application US/09845416
 ; Publication No. US20030171312A1
 ; GENERAL INFORMATION:
 ; APPLICANT: XIAO, XIAO
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE THEREOF
 ; FILE REFERENCE: DE1142
 ; CURRENT APPLICATION NUMBER: US/09/845,416
 ; CURRENT FILING DATE: 2001-04-30
 ; PRIOR APPLICATION NUMBER: 60/200,777
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 36
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 30
 ; LENGTH: 4498
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-845-416-30

Query Match 55.8%; Score 837; DB 10; Length 4498;
 Best Local Similarity 78.2%; Pred. No. 2e-234;
 Matches 1174; Conservative 0; Mismatches 0; Indels 327; Gaps 1;

QY	1	GGCAGTTCAATGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGAGCTTTAGAGAA	60
DB	1757	GGCAGTTCAATGATGGAGAGTGAAGTAAACCTGGACCGTTATCAACAGAGCTTTAGAGAA	1816
QY	61	GTATTATCGTGGCTTTCTTCTGCTGAGGACACATTTGCAAGACAAAGAGAGATTTCTPAAT	120
DB	1817	GTATTATCGTGGCTTTCTTCTGCTGAGGACACATTTGCAAGACAAAGAGAGATTTCTPAAT	1876
QY	121	GATGTGGAAGTGGTGAAGACAGTTTCATCTCATGAGGGGTACATGATGGATTGACA	180
DB	1877	GATGTGGAAGTGGTGAAGACAGTTTCATCTCATGAGGGGTACATGATGGATTGACA	1936
QY	181	GCCATACAGCCCGGTTGGTAAATTTCTCAATTTGGGAAGTAAAGTGAATTTGAAACAGGA	240
DB	1937	GCCATACAGCCCGGTTGGTAAATTTCTCAATTTGGGAAGTAAAGTGAATTTGAAACAGGA	1996
QY	241	AAATTATCAGAAGATGAAGAACTGAATACAGACAGATGATCTCTCTAAATTTCAAGA	300
DB	1997	AAATTATCAGAAGATGAAGAACTGAATACAGACAGATGATCTCTCTAAATTTCAAGA	2056
QY	301	TGGGAATGCCCTCAGGGTAGCTAGCATGGAAAAAACAAGCAATTTACATAGATTTTAATG	360
DB	2057	TGGGAATGCCCTCAGGGTAGCTAGCATGGAAAAAACAAGCAATTTACATAGA	2107
QY	361	GATCTCCAGATCAGAACTGAAGAGTTGAATGACTGGCTTAACAAAACAGAAAGA	420
DB	2108	-----	2107
QY	421	ACAAGGAAATGGAGGAAGAGCCTCTTTGGACCTGATCTTGAAGACCTTAAACGCCAAGTA	480
DB	2108	-----	2107
QY	481	CAACACATAAGGTGCTTCAAGAAAGATCTAGAACAGAACAAAGTCAGGGTCAATTTCTCTC	540
DB	2108	-----	2107
QY	541	ACTCACATGGTGGTGGTAGTTGATGAATCTAGTGGAGATCAGCCAACCTGCTGCTTTGGAA	600
DB	2108	-----	2107
QY	601	GAACAACTTAAGGTATTGGAGATCGATGGGCAAAACATCTGTAGATGGACAGAACCCG	660
DB	2108	-----	2107
QY	661	TGGGTTCTTTTACAGACACTCATGATTACTCAACAGTTCCTCCCTGGACCTGGGAAG	720
DB	2108	-----ACTCATGATTACTCAACAGTTCCTCCCTGGACCTGGGAAG	2149

QY	721	TTTCTTGCCCTGGCTTACAGAAGCTGAAACAACTGCCAATGTCTCTACAGGATCTACCCGT	780
DB	2150	TTTCTTGCCCTGGCTTACAGAAGCTGAAACAACTGCCAATGTCTCTACAGGATCTACCCGT	2209
QY	781	AAGGAAGGCTCTTGAAGACTCCAGAGGAGTAAAGAGCTGATGAACAATGGCAAGAC	840
DB	2210	AAGGAAGGCTCTTGAAGACTCCAGAGGAGTAAAGAGCTGATGAACAATGGCAAGAC	2269
QY	841	CTCCAAGGTGAAATTTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAACACGCCAA	900
DB	2270	CTCCAAGGTGAAATTTGAAGCTCACACAGATGTTTATCAACAACCTGGATGAAACACGCCAA	2329
QY	901	AAATCCTGAGATCCCTGGAAGTTCCGATGATGAGTCCCTGTTACAAGAGCTTTGGAT	960
DB	2330	AAATCCTGAGATCCCTGGAAGTTCCGATGATGAGTCCCTGTTACAAGAGCTTTGGAT	2389
QY	961	AACATGAACCTTCAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATTAGGTCCCATTTG	1020
DB	2390	AACATGAACCTTCAAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATTAGGTCCCATTTG	2449
QY	1021	GAAGCCAGTTCTGACAGTGGAGCGTCTGCACTTTCTCTGCGAGAACTTCTTGTTGGTGG	1080
DB	2450	GAAGCCAGTTCTGACAGTGGAGCGTCTGCACTTTCTCTGCGAGAACTTCTTGTTGGTGG	2509
QY	1081	CTACAGCTGAAAGATGATGAATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCCAGCA	1140
DB	2510	CTACAGCTGAAAGATGATGAATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCCAGCA	2569
QY	1141	GTTCAAGACAGACAGATGTACATAGGCGCTTCAAGAGGGAATTGAAACATAAGAACT	1200
DB	2570	GTTCAAGACAGACAGATGTACATAGGCGCTTCAAGAGGGAATTGAAACATAAGAACT	2629
QY	1201	GTAATCATGAGTACTCTTGAGACTCTGCAATATTTCTGACAGAGCAGCTTTTGGAGGA	1260
DB	2630	GTAATCATGAGTACTCTTGAGACTCTGCAATATTTCTGACAGAGCAGCTTTTGGAGGA	2689
QY	1261	CTAGAGAACTCTTACAGAGAGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGCAATGTC	1320
DB	2690	CTAGAGAACTCTTACAGAGAGCCAGAGAGCTGCTCTCTGAGGAGAGCCAGCAATGTC	2749
QY	1321	ACTCGGCTTCTACGAAAGCAGCGCTGAGAGGTCATATCTGATGGTGGAAAAATTTGAACCTG	1380
DB	2750	ACTCGGCTTCTACGAAAGCAGCGCTGAGAGGTCATATCTGATGGTGGAAAAATTTGAACCTG	2809
QY	1381	CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTTGAAAGACTCCAGAACTTCAA	1440
DB	2810	CACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTTGAAAGACTCCAGAACTTCAA	2869
QY	1441	GAGGCCAGGATGAGCTGAGCTCAAGCTGCGCAAGCTGAGGTGATCAAGGGATTCCTGG	1500
DB	2870	GAGGCCAGGATGAGCTGAGCTCAAGCTGCGCAAGCTGAGGTGATCAAGGGATTCCTGG	2929
QY	1501	C 1501	
DB	2930	C 2930	

RESULT 13
 US-10-149-736-42
 ; Sequence 42, Application US/10149736
 ; Publication No. US20030216332A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chamberlain, Jeffrey S.
 ; APPLICANT: Harper, Scott Q.
 ; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
 ; FILE REFERENCE: UM-06968
 ; CURRENT APPLICATION NUMBER: US/10/149,736
 ; CURRENT FILING DATE: 2002-06-17
 ; PRIOR APPLICATION NUMBER: PCT/US01/31126
 ; PRIOR FILING DATE: 2001-10-04
 ; PRIOR APPLICATION NUMBER: 60/238,848
 ; PRIOR FILING DATE: 2000-10-06

NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 8689
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-149-736-42

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Query Match      55.7%; Score 835.6; DB 16; Length 8689;
Best Local Similarity 97.3%; Pred. No. 7.7e-234;
Matches 850; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy 628 TGGCAACATCTCTAGATGGACAGACGCTGGGTTCTTTTACAGACACTCATAGA 687
Db 2948 TGGAGAGCATTCATAAAGGCTGAGTGAGCGAGAGCTGCTTTGGAAGAACTCATAGA 3007

Qy 688 TTACTGCAACAGTTCCCTCGACCTGGAAAGTTCTTCCTGGCTTACAGAGCTGAA 747
Db 3008 TTACTGCAACAGTTCCCTCGACCTGGAAAGTTCTTCCTGGCTTACAGAGCTGAA 3067

Qy 748 ACAACTGCCAATGCTTACAGAGTGTACCGTAAGGAAAGGCTCCTAGAGACTCCAAG 807
Db 3068 ACAACTGCCAATGCTTACAGAGTGTACCGTAAGGAAAGGCTCCTAGAGACTCCAAG 3127

Qy 808 GGAGTAAAGAGCTGTATGAACCAATGGCAAGACCTCCAGGTGAATTTGAAGCTCACAC 867
Db 3128 GGAGTAAAGAGCTGTATGAACCAATGGCAAGACCTCCAGGTGAATTTGAAGCTCACAC 3187

Qy 868 GATGTTTATCAACCTGGATGAAACAGCCAAATAATCTCGATCCCTGGAAGTTC 927
Db 3188 GATGTTTATCAACCTGGATGAAACAGCCAAATAATCTCGATCCCTGGAAGTTC 3247

Qy 928 GATGATGAGTCTCTGTTTACAAAGAGCTTTGGATTAACATGAATTTCAAGTGAAGTGA 987
Db 3248 GATGATGAGTCTCTGTTTACAAAGAGCTTTGGATTAACATGAATTTCAAGTGAAGTGA 3307

Qy 988 CGGAAAGTCTCTCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 1047
Db 3308 CGGAAAGTCTCTCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 3367

Qy 1048 CTGCACCTTTCTGCAAGAACTTCTGGTGGGCTCAGCTGAAAGATGATGAATTAAGC 1107
Db 3368 CTGCACCTTTCTGCAAGAACTTCTGGTGGGCTCAGCTGAAAGATGATGAATTAAGC 3427

Qy 1108 CGGAGGACCTATTGGAGGAGCTTTCCAGAGTTCAGAGCAGAGAGATGTACATAGG 1167
Db 3428 CGGAGGACCTATTGGAGGAGCTTTCCAGAGTTCAGAGCAGAGAGATGTACATAGG 3487

Qy 1168 GCCTTCAAGAGGAAATTAAGAACTGTATCATGAGTACTCTTGAGACTGTA 1227
Db 3488 GCCTTCAAGAGGAAATTAAGAACTGTATCATGAGTACTCTTGAGACTGTA 3547

Qy 1228 CGAATATTTCTGACAGAGAGCTTTGGAAGAGCTTAGAGAACTCTACAGAGGCCAGAG 1287
Db 3548 CGAATATTTCTGACAGAGAGCTTTGGAAGAGCTTAGAGAACTCTACAGAGGCCAGAG 3607

Qy 1288 GAGCTGCTCTGAGGAGGAGCCAGAGTGTCACTCGGCTTCTACGAAAGCAGCTGAG 1347
Db 3608 GAGCTGCTCTGAGGAGGAGCCAGAGTGTCACTCGGCTTCTACGAAAGCAGCTGAG 3667

Qy 1348 GAGGTCAATACTAGTGGGAAATTTGAACCTGCACTCCGCTGACTGCGACAGAGAAATA 1407
Db 3668 GAGGTCAATACTAGTGGGAAATTTGAACCTGCACTCCGCTGACTGCGACAGAGAAATA 3727

Qy 1408 GATGAGACCTTTGAAAGACTCCAGAACTTCAGAGGCGCAGGATGAGCTGAGCTCAAG 1467
Db 3728 GATGAGACCTTTGAAAGACTCCAGAACTTCAGAGGCGCAGGATGAGCTGAGCTCAAG 3787

Qy 1468 CTGCGCCCAAGCTGAGTGTATCAAGGAGTCTCGGC 1501
Db 3788 CTGCGCCCAAGCTGAGTGTATCAAGGAGTCTCGGC 3821
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RESULT 14
US-09-845-416-1
; Sequence 1, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 11058
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-1

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Query Match      55.7%; Score 835.6; DB 10; Length 11058;
Best Local Similarity 97.3%; Pred. No. 9e-234;
Matches 850; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy 628 TGGCAACATCTGTAGATGGACAGACGCTGGGTTCTTTTACAGACACTCATAGA 687
Db 8008 TGGAGAGCATTCATAAAGGCTGAGTGAGCGAGAGGCTGCTTTGGAAGAACTCATAGA 8067

Qy 688 TTACTGCAACAGTTCCCTCGACCTGGAAAGTTCTTCCTGGCTTACAGAGCTGAA 747
Db 8068 TTACTGCAACAGTTCCCTCGACCTGGAAAGTTCTTCCTGGCTTACAGAGCTGAA 8127

Qy 748 ACAACTGCCAATGCTTACAGAGTGTACCGTAAGGAAAGGCTCCTAGAGACTCCAAG 807
Db 8128 ACAACTGCCAATGCTTACAGAGTGTACCGTAAGGAAAGGCTCCTAGAGACTCCAAG 8187

Qy 808 GAGTAAAGAGCTGTATGAACCAATGGCAAGACCTCCAGGTGAATTTGAAGCTCACAC 867
Db 8188 GAGTAAAGAGCTGTATGAACCAATGGCAAGACCTCCAGGTGAATTTGAAGCTCACAC 8247

Qy 868 GATGTTTATCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 927
Db 8248 GATGTTTATCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 9307

Qy 928 GATGATGAGTCTCTGTTTACAAAGAGCTTTGGATTAACATGAATTTCAAGTGAAGTGA 987
Db 9308 GATGATGAGTCTCTGTTTACAAAGAGCTTTGGATTAACATGAATTTCAAGTGAAGTGA 9367

Qy 988 CGGAAAGTCTCTCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 1047
Db 9368 CGGAAAGTCTCTCAACATTTAGTCCATTTGGAAGCCAGTCTTGACCAAGTGAAGCGT 8427

Qy 1048 CTGCACCTTTCTGCAAGAACTTCTGGTGGGCTCAGCTGAAAGATGATGAATTAAGC 1107
Db 8428 CTGCACCTTTCTGCAAGAACTTCTGGTGGGCTCAGCTGAAAGATGATGAATTAAGC 8487

Qy 1108 CGGAGGACCTATTGGAGGAGCTTTCCAGAGTTCAGAGCAGAGAGATGTACATAGG 1167
Db 8488 CGGAGGACCTATTGGAGGAGCTTTCCAGAGTTCAGAGCAGAGAGATGTACATAGG 8547

Qy 1168 GCCTTCAAGAGGAAATTAAGAACTGTATCATGAGTACTCTTGAGACTGTA 1227
Db 8548 GCCTTCAAGAGGAAATTAAGAACTGTATCATGAGTACTCTTGAGACTGTA 8607

Qy 1228 CGAATATTTCTGACAGAGAGCTTTGGAAGAGCTTAGAGAACTCTACAGAGGCCAGAG 1287
Db 8608 CGAATATTTCTGACAGAGAGCTTTGGAAGAGCTTAGAGAACTCTACAGAGGCCAGAG 8667

Qy 1288 GAGTGCCTCTGAGGAGAGGCCAGAGTGTCACTCGGCTTCTACGAAAGCAGCTGAG 1347
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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 01:18:23 ; Search time 109.667 Seconds
(without alignments)
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Scoring table: IDENTITY_NUC

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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents_NA.*

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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	835.6	55.7	5952	4	US-09-687-875A-1
2	835.6	55.7	13977	4	US-09-484-970B-60
3	720.4	48.0	13307	3	US-08-836-022A-10
4	720.4	48.0	13307	3	US-08-836-022A-10
5	271.6	18.1	6045	4	US-09-091-501B-7
6	271.6	18.1	10320	4	US-09-091-501B-9
7	136.8	9.1	3915	4	US-09-976-594-93
8	79.4	5.3	200	4	US-09-091-501B-5
9	78.6	5.2	200	4	US-09-091-501B-6
10	78.6	5.2	200	4	US-09-091-501B-6
11	76.6	5.1	7218	1	US-08-232-463-14
12	63.6	4.2	238	4	US-09-687-875A-13
13	46.2	3.1	505	4	US-09-621-976-15639
14	44	2.9	1230025	4	US-09-198-452A-1
15	43.4	2.9	1179	4	US-09-107-532A-1186
16	40.4	2.7	832	4	US-09-621-976-2813
17	40.4	2.7	2223	1	US-08-257-073-4
18	39.2	2.6	16995	4	US-08-961-527-82
19	38.6	2.6	1751	4	US-09-620-312D-847
20	38.2	2.5	1131	6	5180810-3
21	38.2	2.5	1784	6	5180810-2
22	38.2	2.5	1995	1	US-08-425-069-3
23	38.2	2.5	1995	2	US-08-317-844B-3
24	38.2	2.5	1394	4	US-09-247-155-76
25	36.8	2.5	1886	6	5210183-1
26	36.6	2.4	1845	4	US-08-887-534A-22
27	36.6	2.4	1845	4	US-09-527-431-22

RESULT 1

US-09-687-875A-1

; Sequence 1, Application US/09697875A

; Patent No. 6544786

; GENERAL INFORMATION:

; APPLICANT: Xiao, Xiao

; APPLICANT: Liu, Paul

; TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPICED PE

; FILE REFERENCE: 00792

; CURRENT APPLICATION NUMBER: US/09/687,875A

; CURRENT FILING DATE: 2000-10-13

; PRIOR FILING DATE: 1999-10-15

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: Patent version 3.1

; SEQ ID NO 1

; TYPE: DNA

; LENGTH: 5952

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (2897)..(2898)

; OTHER INFORMATION: S4 junction site

; NAME/KEY: misc feature

; LOCATION: (3198)..(3199)

; OTHER INFORMATION: S2 junction site

US-09-687-875A-1

Query Match 55.7%; Score 835.6; DB 4; Length 5952;

Best Local Similarity 97.3%; Pred. No. 7.5e-244; Indels 0; Gaps 0;

Matches 850; Conservative 0; Mismatches 24;

QY 628 TGGGCAACATCTGTAGATGGACAGACCGCTGGGTTCTTTTACAGACACTCATAGA 687

Db 2902 TGAGAGAGCATTCATTAAGGGTGAGTGGAGAGGCTGCTTGGAGAACTCATAGA 2961

QY 688 TTACTGCAACAGTTCCTCCCTGGACCTGGAAAAGTTTCTTCCCTGGCTTACAGAGCTGAA 747

Db 2962 TTACTGCAACAGTTCCTCCCTGGACCTGGAAAAGTTTCTTCCCTGGCTTACAGAGCTGAA 3021

QY 748 ACACTGCCAATCTCTACAGGATGCTACCGTAAGAAAGGCTCCTAGAAGACTCCAAG 807

Db 3022 ACACTGCCAATCTCTACAGGATGCTACCGTAAGAAAGGCTCCTAGAAGACTCCAAG 3081

QY 808 GGAGTAAAGAGCTGTATGAACCAATGCGAACCTCCAGGGTGAATTTGAAGTCTACACA 867

Db 3082 GGAGTAAAGAGCTGTATGAACCAATGCGAACCTCCAGGGTGAATTTGAAGTCTACACA 3141

QY 868 GATGTTATCACAACTGGATGAACCAACCCAAATCTGTAGATCCCTGGAGGTTCC 927

ALIGNMENTS

C	28	36.6	2.4	7075	4	US-08-956-171E-263	Sequence 263, Appl
	29	36.2	2.4	289	3	US-09-007-005-17	Sequence 17, Appl
	30	36.2	2.4	289	3	US-09-244-796-17	Sequence 17, Appl
	31	36.2	2.4	2447	2	US-09-014-969-14	Sequence 14, Appl
C	32	36.2	2.4	11049	4	US-10-204-708-23	Sequence 23, Appl
	33	36.2	2.4	168575	4	US-09-426-290-1	Sequence 1, Appl
C	34	36	2.4	724	4	US-08-956-171E-832	Sequence 832, Appl
	35	36	2.4	2873	4	US-08-630-915A-193	Sequence 193, Appl
	36	35.8	2.4	790	3	US-09-461-474-13	Sequence 13, Appl
	37	35.6	2.4	4868	1	US-08-139-937-12	Sequence 12, Appl
	38	35.6	2.4	4868	5	PCT-US93-11310-12	Sequence 12, Appl
	39	35.6	2.4	5934	4	US-09-418-710-2	Sequence 2, Appl
	40	35.6	2.4	7672	4	US-09-220-132-24	Sequence 24, Appl
	41	35.6	2.4	8257	4	US-09-595-684B-30	Sequence 30, Appl
	42	35.6	2.4	8789	1	US-08-328-254-5	Sequence 5, Appl
	43	35.6	2.4	10136	1	US-08-353-700-2	Sequence 2, Appl
	44	35.6	2.4	10136	5	PCT-US95-16216-2	Sequence 2, Appl
	45	35.2	2.3	399	4	US-09-621-976-8976	Sequence 8976, Ap

Db 3142 GATGTTTATCAACACCTGGATGAAACAGCCAAAAATCCTGAGATCCTCGAAGGTTCC 3201
 QY 928 GATGATGAGTCTCTTTACAAAGAGTTTGGATACATGAACTTCAAGTGAAGTGAACCTT 987
 Db 3202 GATGATGAGTCTCTTTACAAAGAGTTTGGATACATGAACTTCAAGTGAAGTGAACCTT 3261
 QY 988 CGGAAAAAGTCTCTCAACATTAGGTCCTTGGAGGCGACCTTCTGACCACTGGAAGCGT 1047
 Db 3262 CGGAAAAAGTCTCTCAACATTAGGTCCTTGGAGGCGACCTTCTGACCACTGGAAGCGT 3321
 QY 1048 CTGCACTTTCTCTGAGGAACTTCTGTTGGTGGCTTACAGCTGAAAGATGATGAATTAAGC 1107
 Db 3322 CTGCACTTTCTCTGAGGAACTTCTGTTGGTGGCTTACAGCTGAAAGATGATGAATTAAGC 3381
 QY 1108 CGGCAGGCACTTATTGGAGGCGACTTTCAGCAGTTTCAAGAGCAGAACGATGTACATAGG 1167
 Db 3382 CGGCAGGCACTTATTGGAGGCGACTTTCAGCAGTTTCAAGAGCAGAACGATGTACATAGG 3441
 QY 1168 GCCTTCAAGAGGAAATGAAACTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTA 1227
 Db 3442 GCCTTCAAGAGGAAATGAAACTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTA 3501
 QY 1228 CGAATATTCTGACAGAGCAGCTTTGGAAGGACTAGAGAACTCTACAGAGCCCGAGA 1287
 Db 3502 CGAATATTCTGACAGAGCAGCTTTGGAAGGACTAGAGAACTCTACAGAGCCCGAGA 3561
 QY 1288 GAGCTGCCTCTGAGGAGAGCCAGAAATGCTCACTGGCTTTTACGAAAGCAGGCTGAG 1347
 Db 3562 GAGCTGCCTCTGAGGAGAGCCAGAAATGCTCACTGGCTTTTACGAAAGCAGGCTGAG 3621
 QY 1348 GAGCTCAATCTGAGTGGAAAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAAATA 1407
 Db 3622 GAGGTCATATCTGAGTGGAAAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAAATA 3681
 QY 1408 GATGAGACCTTTGAAAGACTCCAGAACTTCAAGAGGCCAGGATGAGCTGAGCTCAAG 1467
 Db 3682 GATGAGACCTTTGAAAGACTCCAGAACTTCAAGAGGCCAGGATGAGCTGAGCTCAAG 3741
 QY 1468 CTGCGCCCAAGCTGAGGTGATCAAGGATCCTGGC 1501
 Db 3742 CTGCGCCCAAGCTGAGGTGATCAAGGATCCTGGC 3775

RESULT 2

US-09-484-970B-60
 ; Sequence 60, Application US/09484970B
 ; Patent No. 6426186
 ; GENERAL INFORMATION:
 ; APPLICANT: Jones, Karen A.
 ; APPLICANT: Volkmut, Wayne
 ; APPLICANT: Walker, Michael G.
 ; TITLE OF INVENTION: BONE REMODELING GENES
 ; FILE REFERENCE: PB-0014 US
 ; CURRENT APPLICATION NUMBER: US/09/484,970B
 ; CURRENT FILING DATE: 2000-01-18
 ; NUMBER OF SEQ ID NOS: 172
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 60
 ; LENGTH: 13977
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. 6426186 229357.11CB1
 ; NAME/KEY: unsure
 ; LOCATION: 11721-11761, 12294, 13969
 ; OTHER INFORMATION: a, t, c, g, or other
 US-09-484-970B-60

Query Match 55.7%; Score 835.6; DB 4; Length 13977;
 Best Local Similarity 97.3%; Pred. No. 1.3e-243;
 Matches 850; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 628 TGGGCAAAACATCTGTAGATGGACAGAGACCGCTGGTTCCTTTTACAAGACACTCATAGA 687
 Db 8216 TGGAGAAAGANTCATAAAAGGGTGAAGTGAAGAGGCTGCTTTGGAAGAAACTCATAGA 8275
 QY 688 TTAAGTCAACAGTTCCCTCGACCTTGGAAAGTTTCTTTCCTGCTGCTTACAGAACTGAA 747
 Db 8276 TTAAGTCAACAGTTCCCTCGACCTTGGAAAGTTTCTTTCCTGCTGCTTACAGAACTGAA 8335
 QY 748 ACAACCTGCAATGCTCTACAGATGCTACCCCTAGGAAAGGCTCTCTAGAACTCCAG 807
 Db 8336 ACAACCTGCAATGCTCTACAGATGCTACCCCTAGGAAAGGCTCTCTAGAACTCCAG 8395
 QY 808 GGAAGTAAAGAGCTGATGAAACCAATGGCAAGACCTTCCAGAGTGAATTTGAAGCTCACACA 867
 Db 8396 GGAAGTAAAGAGCTGATGAAACCAATGGCAAGACCTTCCAGAGTGAATTTGAAGCTCACACA 8455
 QY 868 GATGTTTATCACAACTGATGAAACCAAGCAAGCTTCCAGAGTGAATTTGAAGCTCACACA 927
 Db 8456 GATGTTTATCACAACTGATGAAACCAAGCAAGCTTCCAGAGTGAATTTGAAGCTCACACA 8515
 QY 928 GATGATGAGTCTCTGTTACAAAGAGCTTTGGATTAACATGAACTTCAAGTGAAGTGAACCTT 987
 Db 8516 GATGATGAGTCTCTGTTACAAAGAGCTTTGGATTAACATGAACTTCAAGTGAAGTGAACCTT 8575
 QY 988 CGGAAAAAGTCTCTCAACATTAGGTCCTTGGAGGCGACCTTCCAGAGTGAAGGCGT 1047
 Db 8576 CGGAAAAAGTCTCTCAACATTAGGTCCTTGGAGGCGACCTTCCAGAGTGAAGGCGT 8635
 QY 1048 CTGACCTTTCTCTGAGGAACTTCTGGTGGCTTACAGCTGAAAGATGATGAATTAAGC 1107
 Db 8636 CTGACCTTTCTCTGAGGAACTTCTGGTGGCTTACAGCTGAAAGATGATGAATTAAGC 8695
 QY 1108 CGGCAGGCACTTATTGGAGGCGACTTTCAGCAGTTTCAAGAGCAGAACGATGTACATAGG 1167
 Db 8696 CGGCAGGCACTTATTGGAGGCGACTTTCAGCAGTTTCAAGAGCAGAACGATGTACATAGG 8755
 QY 1168 GCCTTCAAGAGGAAATGAAACTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTA 1227
 Db 8756 GCCTTCAAGAGGAAATGAAACTAAAGAACTGTAATCATGAGTACTCTTGAGACTGTA 8815
 QY 1228 CGAATATTCTGACAGAGCAGCTTTGGAAGGACTAGAGAACTCTTACAGAGCCCGAGA 1287
 Db 8816 CGAATATTCTGACAGAGCAGCTTTGGAAGGACTAGAGAACTCTTACAGAGCCCGAGA 8875
 QY 1288 GAGCTGCCTCTGAGGAGAGCCAGAAATGCTCACTGGCTTCTACGAAAGCAGGCTGAG 1347
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 QY 1348 GAGTCAATCTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAAATA 1407
 Db 8936 GAGTCAATCTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGACTGGCAGAGAAAAATA 8995
 QY 1408 GATGAGACCTTTGAAAGACTCCAGAACTTCAAGAGGCCAGGATGAGCTGAGCTCAAG 1467
 Db 8996 GATGAGACCTTTGAAAGACTCCAGAACTTCAAGAGGCCAGGATGAGCTGAGCTCAAG 9055
 QY 1468 CTGCGCCCAAGCTGAGGTGATCAAGGATCCTGGC 1501
 Db 9056 CTGCGCCCAAGCTGAGGTGATCAAGGATCCTGGC 9089

RESULT 3

US-08-836-022A-10/c
 ; Sequence 10, Application US/08836022A
 ; Patent No. 6001557
 ; GENERAL INFORMATION:
 ; APPLICANT: Trustees of the University of Pennsylvania
 ; APPLICANT: Wilson, James M.
 ; APPLICANT: Fisher, Krishna J.
 ; APPLICANT: Chen, Shu-Jen
 ; APPLICANT: Weitzman, Matthew
 ; TITLE OF INVENTION: Improved Adenovirus Virus and
 ; NUMBER OF SEQUENCES: 10

5998	CGTCAGGCACCCATCCGGTGGTGATTTCCAGCAGTTCCAGAACACCAATGATATACATAGG	5933
1168	GCCTTCAGAGGGAAATCGAAACTAAAGAACTGTAAATCATCAGTACTCTTCAGACTGTA	1227
5938	GCCTTCAGAGGGAAATCGAAACTAAAGAACTGTATCATGACTACTCTCGAGACTGTG	5879
1228	CGAATAATTTCTGACAGACAGCCCTTTGGAAGGACTAGAGAACTCTTACAGGAGCCGAGA	1287
5878	AGAATAATTTCTGACAGACAGCCCTTTGGAAGGACTAGAGAACTCTTACAGGAGCCGAGA	5819
1288	GAGCTGCCTCTGAGGAGAGAGCCGAGAAATGTCACCTCGGCTTCTACGAAAGCAGGCTGAG	1347
5818	GAACTGCCTCTCTGAGAGAGAGAGCTCAGAAATGTCACCTCGGCTCTTACGAAAGCAGGCTGAA	5759
1348	GAGGTCAATACTGAGTGGGAAAAAATTGAACCTGCACTCCGCTGACTGGCAGAGAAAAATA	1407
5758	GAGGTCAACCGCTGAATGGGACAAATTTGAACCTCGCGCTCAGCTGATTTGGCAGAGAAAAATA	5699
1408	GATGAGACCTTTGAAGACTCCAGAGAACTTTCAGAGAGGCCACCGATGAGCTTGACCTCAAG	1467
5698	GATGAAGCTCTTGAAGACTCCAGGAACTTCAGGAACTTCAGGAGCTGCCGATGAACTGACNCTCAAG	5639
1468	CTGCGCCAAAGCTGAGGTGATCAAGGGATCCTGGC	1501
5638	TTGCGCCAAAGCTGAGGTGATCAAGGGATCCTGGC	5605

RESULT 4

RECORDED
US-09-427-048A-10/C
; Sequence 10, Application US/09427048A
; Patent No. 6203975
; GENERAL INFORMATION:
; APPLICANT: Trustees of the University of Pennsylvania
; Wilson, James M.
; Fisher, Krishna J.

Chen, Shu-Jen
Weitzman, Matthew
TITLE OF INVENTION: Improved Adenovirus Virus and
Methods of Use Thereof
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P O Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

```

COMPUTER, READABLE FORM:
MEDIUM TYPE, Floppy disk
OPERATING SYSTEM, IBM PC compatible
SOFTWARE, PC-DOS/MS-DOS
CURRENT APPLICATION DATA, Patent In Release #1.0, Version #1.30
APPLICATION NUMBER, US/09/427,048A
FILING DATE, 21-Oct-1999

```

FILING DATE: 21-OCT-1999
CLASSIFICATION: <Unknown>

CLASSIFICATION: UNCLASSIFIED
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/836,022

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:
 TEL. NUMBER: 015 540 0200

TELEPHONE: 215-540-9200

TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 10:

; INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:

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; ;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19307 base pair

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; ; ;
LENGTH: 19307 base pairs
TYPE: nucleic acid

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TYPE: nucleic acid
STRANDEDNESS: double

STRANDEDNESS: unknown
TOPOLOGY: unknown

MOLECULE TYPE: CDNA

TELETYPE

$$-\frac{1}{\lambda} \left(\frac{\partial f}{\partial x} + \frac{\partial f}{\partial y} \right) = -\frac{1}{\lambda} \left(\frac{\partial f}{\partial x} + \frac{\partial f}{\partial y} \right)$$

SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-427-048A-10

Query Match 48.0%; Score 720.4; DB 3; Length 19307;
Best Local Similarity 89.0%; Pred. No. 2e-208;
Matches 778; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 628 TGGGCAACATCTGTAGATGGACAGACCGCTGGTCTTTTCAAGACACTCATAGA 687
DB 6478 TGGGGAACATTCATAAAGAGTAAGTGACGAGAGGCTGCTTTGGAAGAACTCATAGA 6419

QY 688 TTACTGCCAACAGTCCCTCGACCTGGACCTGGAAAGTTTCTTGCTGGCTTTACAGAACTGAA 747
DB 6418 TTACTGCCAGCTTCCCTCGACCTGGAGAGTTTCTTCTCGATTACGGAAGCAGAA 6359

QY 748 ACAACTGCCAATGCTCTACAGCATCTACCGGTAGGAAGGCTCTCTAGAGACTCCAG 807
DB 6358 ACAACTGCCAATGCTCTACAGCATCTTCCCGTAAAGGAGAGCTCTCTAGAGACTCCAGG 6299

QY 808 GGAGTAAAGAGCTGATGAACCAATGGCAAGACCTCCAAAGGTGAATTAAGCTCACACA 867
DB 6298 GGAGTCAGAGAGCTGATGAACCATGGCAAGATCTCCAGAGAGAAATTAAGCTCACACA 6239

QY 868 GATGTTATATCAACACTGGATGAACAGCCGAAATATCCCTGAGATCCCTGGAAAGTTCC 927
DB 6238 GATATCTATCAAACTCTTGATGAATAATGGCCAAAATATCCCTGAGATCCCTGGAAAGTTCC 6179

QY 928 GATGATGAGCTCTCTGATCAAGAGCTTTGGATCAACTGAAGTCAAGTGGAGTGAACCT 987
DB 6178 GATGAGCAACCTCTGATCAAGAGCTTTGGATCAACTGAAGTCAAGTGGAGTGAACCT 6119

QY 988 CGGAAAAAGTCTCTCAACATAGTGTCCATTTGGAAGCCAGTCTGACCAAGTGAAGCGT 1047
DB 6118 CAGAAAAAGTCTCTCAACATAGTGTCCATTTGGAAGCCAGTCTGACCAAGTGAAGCGT 6059

QY 1048 CTGCACTTCTCTGCAAGAACTCTGCTGTGGTGTACAGCTGGAAGATGATGANTTAA 1107
DB 6058 TTGCATCTTCTCTGCAAGAACTCTGCTGTGGTGTACAGCTGGAAGATGATGANTTAA 5999

QY 1108 CGGAGGACCTATTTGAGGCGACTTTCCAGAGTTCAGAGCAAGACGATGTACATAGG 1167
DB 5998 CGTCAGGCAACCATCGGTGTGTATTTCCAGAGTTCAGAGCAAGATGATATACATAGG 5939

QY 1168 GCCTTCAGAGGGATTTGAACCTTAAGAACTGTATCATGACTCTCTTGAGACTGTA 1227
DB 5938 GCCTTCAGAGGGATTTGAACCTTAAGAACTGTATCATGACTCTCTTGAGACTGTA 5879

QY 1228 CGAATATTTCTGACAGAGCAGCTTTTGAAGGACTAGAGAACTCTTACAGGAGCCAG 1287
DB 5878 AGAATATTTCTGACAGAGCAGCTTTTGAAGGACTAGAGAACTCTTACAGGAGCCAG 5819

QY 1288 GAGCTGCTCTCTGAGGAGAGCCAGAAATGTCTCTGCTGTCTACGAAAGCGGCTGAG 1347
DB 5818 GAACTGCTCTCTGAGGAGAGCCAGAAATGTCTCTGCTGTCTACGAAAGCGGCTGAA 5759

QY 1348 GAGGTCAATCTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGCTGCGCAGAGAAAAA 1407
DB 5758 GAGGTCAATCTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGCTGCGCAGAGAAAAA 5699

QY 1408 GATGAGACCTTTGAAGACTCCAGAACTTCAAGAGCCAGGATGAGCTGGAACCTCAAG 1467
DB 5698 GATGAGACCTTTGAAGACTCCAGAACTTCAAGAGCCAGGATGAGCTGGAACCTCAAG 5639

QY 1468 CTGCGCCAAAGCTGAGGTGATCAAGGGATCTCTGGC 1501
DB 5638 TTGCGCCAAAGCTGAGGTGATCAAGGGATCTCTGGC 5605

RESULT 5
US-09-091-501B-7
; Sequence 7, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:

APPLICANT: Tinsley, Jonathon M
APPLICANT: Davies, Kay E
TITLE OF INVENTION: Utrrophin gene expression
FILE REFERENCE: 620-42
CURRENT APPLICATION NUMBER: US/09/091,501B
CURRENT FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: PCT/GB96/03156
PRIOR FILING DATE: 1996-12-19
PRIOR APPLICATION NUMBER: GB 9525962.8
PRIOR FILING DATE: 1995-12-19
PRIOR APPLICATION NUMBER: GB 9615797.9
PRIOR FILING DATE: 1996-07-26
PRIOR APPLICATION NUMBER: GB 9622174.2
PRIOR FILING DATE: 1996-10-24
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 6045
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: CDS
LOCATION: (11)..(6037)
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Chimeric
NAME/KEY: misc feature
LOCATION: (724)..(758)
OTHER INFORMATION: Precise residue is left open
US-09-091-501B-7

Query Match 18.1%; Score 271.6; DB 4; Length 6045;
Best Local Similarity 59.2%; Pred. No. 5.3e-72;
Matches 463; Conservative 0; Mismatches 319; Indels 0; Gaps 0;

QY 4 AGTTCATTCATGAGAGTGAAGTAACTGGACCTTATCAACAGCTTTAGAGAGTA 63
DB 914 AGCACCGTCACTGAAGTGGACATGATTGGACAGCTACCATAGAGAGGAGTG 973

QY 64 TTATCGTGGCTCTTCTTCTGCTGAGGACACATTCGACGAGGAGGAGATTTCTAATCAT 123
DB 974 CTGACGTGGCTCTCTGCTGCGGAGGACAGCTTCCAGGAGCAAGATGACATTTCTGATGAT 1033

QY 124 GTGGAAGTGGTGAAGACAGCTTTCATCTACTATGAGGGGTACATGATGATTTGACGCC 183
DB 1034 GTCGAAGAGTCAAGAGAGCGCTTCTGCTACCATGAACCTTTTATGATGAGCTGACAGCA 1093

QY 184 CATCAGGGCGGGTGGTAAATATCTACAATTTGGGAAGTAAAGCTGATTGGAACAGGAAAA 243
DB 1094 CACACAGCAGCGTGGGAGCGCTCTCGAGCTGCAACACAGCTGATGACACAGGAGT 1153

QY 244 TTATCAGAGATGAAGAACTGAAGTA CAAGAGCAGATGAATCTTCTTAAATCAAGATGG 303
DB 1154 CTGTGAGAGGAGGAGGAGTTTGAATCCAGGAACAGATGACCTTGTCTGAATGCAAGGTGG 1213

QY 304 GAATGCCTCAGGAGTGTAGCATGGAAAAACAAAGCAATTTACATAGAGTTTAAATGGAT 363
DB 1214 GAGGCGCTCCGGGTGAGAGAGCATGGAGGAGGAGTCCCGGCTGACGAGCTCTCTGATGAG 1273

QY 364 CTCGAGAATCAGAACTGAAAGAGTTGAATGATCTGGCTTAAACAAAAACAGAAAGAAACA 423
DB 1274 CTCGAGAAGAAACAGCTGACGAGCTCTCAAGCTGGCTGGCCCTCACAGAGAGCGCAT 1333

QY 424 AGGAAATGGGAGAGCGCTCTTGGACCTGATCTTGAAGACCTTAAACCGCAAGTACAA 483
DB 1334 CAGAAGATGGGAGAGCGCTCTTGGGCTGATGACCTCCCTCCCTGCGAAGCTGCTTCAA 1393

QY 484 CAACATAAGGTGCTTCAAGAAAGATCTAGAACAAAGCAAGTCAAGGTCAATTTCTCACT 543
DB 1394 GAACATAAAAGTTTGCAAAATGACCTTGAAGCTGAACAGGTGAAGTAAATTCCTTAACT 1453

QY 544 CACATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 603

Db 1454 CACATGGTGTGATTTGGATGAAACAGTGGGAGAGTCCACAGCTCTTCTGGAAGAT 1513
Qy 604 CAACTTAAGTATTTGGAGATCGATGGGCAACATCTGTATGAGTGGACAGAAGCCGCTGG 663
Db 1514 CAGTTACAGAAACTGGGTGAGCGCTGGACAGCTGTATGCCGCTGGACTGAAGAAGCTTGG 1573
Qy 664 GTTCTTTTACAGACACTCATAGTTACTGCAACAGTTCCCTCGGACCTGGAAAAGTTT 723
Db 1574 AACAGGTTGCAAGAAATTCAGTATTTCTGTGGAGGAATTAATGGAAGAGCAGTCTGTGTTG 1633
Qy 724 CTTGCTCTGGCTTACAGAAAGCTGAAACAACTGCCAATGTCTCTACAGAGTGTACCCGTAAG 783
Db 1634 GAGGCTTGGCTCACCGAAAGGAGAGGCTTTGAAATAAGTTCAAACCCAGCACTTTAAA 1693
Qy 784 GA 785
Db 1694 GA 1695

RESULT 6

US-09-091-501B-9
; Sequence 9, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Kay E
; APPLICANT: Davies, Jonathan M
; TITLE OF INVENTION: Utrrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091.501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 10320
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(10312)
; FEATURE: (11)..(10312)
; OTHER INFORMATION: Description of Artificial Sequence: Full length
; OTHER INFORMATION: utrophin construct
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (724)..(758)
; OTHER INFORMATION: Precise residue is left open
US-09-091-501B-9

Query Match 18.1%; Score 271.6; DB 4; Length 10320;
Best Local Similarity 59.2%; Pred. No. 7.5e-72;
Matches 463; Conservative 0; Mismatches 319; Indels 0; Gaps 0;
Qy 4 AGTTCATTGATGGAGTGAAGTAACTGGACCGTATCAACACAGCTTTAGAGAAGTA 63
Db 914 AGCACCGTCACTGAAGTGAACATGATTGGACAGCTACCAAGATGCCCTAGAGAAGTG 973
Qy 64 TTATCGTGGCTCTTTCTGCTGAGGACACATTGCAAGCACAAAGGAGAGATTCTTAATGAT 123
Db 974 CTGACGTGGCTGCTGCTCCGCGAGGACACAGCTTCCAGGAGCAAGATGACATTTCTGTATGAT 1033
Qy 124 GTGGAAGTGGTGAAGACAGCTTTTCATCTACTGAGGGGTACATGATGGATTTGCACAGCC 183
Db 1034 CTCGAAGAAGTCAAGAGACAGTTGCTGCTACCCATGAACTTTTATGATGGAGCTGACAGCA 1093
Qy 184 CATCAGGCCGGGTTGGTAAATATTCTCAATTTGGAGTAAGCTCAATTGGAAACAGGAAA 243

Db 1094 CACAGAGACAGCGTGGGAGCGTCTCTGAGGCTGGACACAGCTGATGACACAAGGACT 1153
Qy 244 TTATCAGAAGATGAAGAAACTGAAGTACAAGAGCAGATGAATCTCTTAATTCAGATGG 303
Db 1154 CTGTCCAGAGGAGGAGAGCTTTGAGATCCAGGAACAGATGACCTTGTCTGAATGCAAGGTTG 1213
Qy 304 GAATCCCTCAGGTTAGTATGATGCAAAAACAAACAAATTTACATAGAGTTTAAATGAT 363
Db 1214 GAGGCGCTCCGGTGGAGAGCATGAGAGGAGTCCCGCTGCACGCTCTGATGAG 1273
Qy 364 CTTCCAGAATCAAAAACCTGAAGAGTTGAATGATGGCTTAACAAAACAGAGAAAGACA 423
Db 1274 CTGCAGAAGAACAGCTGCAGCAGCTCTCAAGCTGGCTGGCCCTCACAGAAGAGCGCAT 1333
Qy 424 AGGAAATGGAGAGAGCGCTCTTGGACCTGATCTTGAAGACCTAAACGCCCAACTACAA 483
Db 1334 CAGAAGATGGAGAGCGCTCCCGCTGGGTGATGACCTGCCCTCCCTGCAGAGCTGTTCAA 1393
Qy 484 CAACATAAGGTGCTTCAAGAGATCTAGAACAAAGAACAGTCAAGGTCAATTTCTCTCACT 543
Db 1394 GAACATAAAGTTTGCAAAATGACCTTGAAGCTGAACAGGTGAAGTAAATTCCTTAAT 1453
Qy 544 CACATGGTGGTGTAGTGTGATGAATCTAGTGGAGATCAGCAACTGCTGCTTTGGAAGAA 603
Db 1454 CACATGGTGGTGTGATTTGTGATGAAAACAGTGGGAGAGTGCACAGCTCTTCTGGAAGAT 1513
Qy 604 CAACCTTAAGTATTGGGAGATCGATGGGCAACATCTGTATGATGGACAGACACCGCTGG 663
Db 1514 CAGTTACAGAACTGGGTGAGCGCTGGACAGCTGTATGCCGCTGGACTGAAGACGTTGG 1573
Qy 664 GTTCTTTTACAAGACACTCATAGATTAATGCAACAGTTCCCGCTGCAGCTGGAAGAGTTT 723
Db 1574 AACAGGTTGCAAGAAATCAGTATTCTGTGGCAGGAATTTATGGAAGAGCAGTGTCTGTTG 1633
Qy 724 CTTGCTGGCTTACAGAGCTGAACAACTGCAATGTCTACAGATGCTACCCGTAAG 783
Db 1634 GAGGCTTGGCTCACCGAAAGGAGGCTTTGAAATAAGTTCAAACCCAGCACTTTAAA 1693
Qy 784 GA 785
Db 1694 GA 1695

RESULT 7

US-09-976-594-93
; Sequence 93, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 93
; LENGTH: 3915
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 290344.1
US-09-976-594-93

Query Match 9.1%; Score 136.8; DB 4; Length 3915;
Best Local Similarity 54.6%; Pred. No. 4.8e-31;
Matches 294; Conservative 0; Mismatches 242; Indels 2; Gaps 1;
Qy 963 CATGAACCTCAAGTGGAGTGAACCTTCGGAAAAAGTCTCTCAACATAGTGTCCCATTTGGA 1022

544	Db	CATGAATCTCTGTTGGAAATGAAATATAAAAAAAGTCTCAACAGCTCCGCGCTCGCCTPAGA	603
1023	QY	AGCCAGTTCTGCACAGTGGAAAGCGTCTGCACCTTTTCTCTGCAGGAACTTCTGTGTGCGCT	1082
604	Db	GGCCTTCTCAGACCAACAGTGGAAAGCTTCAGTCCCTCTTCAAGAGATTATTGACTGCGCT	663
1083	QY	ACAGCTGAAGATGATGAATTAAGCCGGCAGGCACCTATTGGAGGCGACTTTCCAGCAGT	1142
664	Db	CAGCCAAAAGATGAGGAGTTGTAGCTCAGCTGCGCCCTACAGGGGATGTGGCCCTGGT	723
1143	QY	TCGAAGCAGCAACGATGTATCATAGGGCCTTCAAGAGGGAAATTGAAACTAAAGAACTGTG	1202
724	Db	GCAACAGGAAAGAGAGACACATCGGCGCTTTATGGAAGAAAGTCAAGTCTCGGGCGCCCTA	783
1203	QY	AATCATGAGTACTCTTCGAGACTGTACGAAATATTCTGACACAGACAGCGCTTTGGAAGGACT	1262
784	Db	CACTATTCTGTGTGAGTTCAGCTCAGGCGTTCTCTGCCAGCACCCCATTTGAGGAGTT	843
1263	QY	AGAGAACTCTTACAGGAGCCCAAGAGCTGCCTCTTGAGGAGAGAGCCCAGAAATGTCAC	1322
844	Db	AGAGGAGCCTCATTTCTGAGAGCAAGAATACCTCCCGAAAACAGCGGATCCAGAAATCTCAG	903
1323	QY	TCGGCTTCTACGAAAGCAGCGCTCAGGAGGTCAATCTAGTGGGAAAAAATTGAACCTGCA	1382
904	Db	CCGCTTTGATGAAAGCAGSCGAGTGGCCAGTGAACCTGTGGGAGAAGTTGACAGCCCG	963
1383	QY	CTCGCTGACTGCAGAGAAAAATAGATGAGACCCCTTGAAGACTCCAGAACTTCAAGA	1442
964	Db	CTGTGTGACCAACGACCGTACAACTGAGCGGACTCTGAGACGACTCTTGAGATTCA--G	1021
1443	QY	GGCCACGGATGAGCTGGACCTCAAGCTGCGCCCAAGCTGAGGTGATCAAGGGATCTCTGG	1500
1022	Db	GGGCATGGAGAACTAAGCACTACTCTGAGCCAAAGTGAAGGAGTCCGAGCCACTTGG	1079

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RESULT 8
US-09-091-501B-5
; Sequence 5, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Urothrin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Rattus sp.
US-09-091-501B-5

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76	GAAGGTGAATTCCTTA	CTACTCATATCGGTG	TGATTTGGATGAAACAGTGGGGAGAGCGC	135
585	AACCTGCTCTTTTGA	AGAAACAACCTTAAGT	TATTTGGAGATCGATGGGCAAAACATCTGTAG	644
136	CACAGCTCTTTTGA	AGATCAGTTACAGAACT	GGGTGACCGCTGGACAGCTGTATCGCG	195
645	ATGGA	649		
196	CTGGA	200		

```

RESULT 9
US-09-091-501B-4
; Sequence 4, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathan M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Uctrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8
; PRIOR FILING DATE: 1995-12-19
; PRIOR APPLICATION NUMBER: GB 9615797.9
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: GB 9622174.2
; PRIOR FILING DATE: 1996-10-24
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-091-501B-4

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```

RESULT 10
US-09-091-501B-6
; Sequence 6, Application US/09091501B
; Patent No. 6518413
; GENERAL INFORMATION:
; APPLICANT: Tinsley, Jonathon M
; APPLICANT: Davies, Kay E
; TITLE OF INVENTION: Uctrophin gene expression
; FILE REFERENCE: 620-42
; CURRENT APPLICATION NUMBER: US/09/091,501B
; CURRENT FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: PCT/GB96/03156
; PRIOR FILING DATE: 1996-12-19
; PRIOR APPLICATION NUMBER: GB 9525962.8

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PRIOR FILING DATE: 1995-12-19
PRIOR APPLICATION NUMBER: GB 9615797.9
PRIOR FILING DATE: 1996-07-26
PRIOR APPLICATION NUMBER: GB 9622174.2
PRIOR FILING DATE: 1996-10-24
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 6
LENGTH: 200
TYPE: DNA
ORGANISM: Homo sapiens
US-09-091-501B-6

Query Match 5.2%; Score 78.6; DB 4; Length 200;
Best Local Similarity 62.4%; Pred. No. 3.8e-14;
Matches 123; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 453 TGATCTTGACACCTAAACGCCAAGTACACACATAAGGTGCTTCAAGAGATCTAGA 512
DB 4 TGATGTGAATCTCTACAAAGCTGTAGAGAACATAAAGTTGCAAGTGAATCTGA 63
QY 513 ACAAGAACAACTCAGGCTCAATCTCTCACTCACATGCTGTGTGCTAGTGAATCTAG 572
DB 64 GGCTGAACAGCTGAAGTAATTCATACTCACATGCTGTGCTATTTGATGAAACAG 123
QY 573 TGGAGATCACCACTGCTGCTTTGGAAGAACACTTAAGTATTGGAGATCGATGGC 632
DB 124 TGGTGAAGGCTACAGCTATCTCTAGAGAACCACTTACAGAACTTGGTGAGCGCTGGAC 183
QY 633 AAACATCTGTAGATGGA 649
DB 184 AGCAGTATGCCGTTGGA 200

RESULT 11
US-08-232-463-14/c
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Hardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149

INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STEADINESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZ9pt-Fls
US-08-232-463-14

Query Match 5.1%; Score 76.6; DB 1; Length 7218;
Best Local Similarity 6.7%; Pred. No. 1.6e-12;
Matches 28; Conservative 236; Mismatches 155; Indels 0; Gaps 0;

QY 113 TTCTTAATGATGTGAAGTGGTGAAGACCACTTTTCACTCATGAGGGTACATGATGG 172
DB 1474 TATCTATGCAAGTAGTTAAAGAGATAGAAGATTGGTACRRRRRRRRRRRRRRR 1415
QY 173 ATTGACACCCATCAGGCGGGTGGTAATTTCTACAATTGGGAAGTAAGCTGATG 232
DB 1414 RR 1355
QY 233 GAACAGGAAAATTATCAGAGATGAAGAACTGAAGTACAGAGCAGATGAATCTCTNA 292
DB 1354 RR 1295
QY 293 ATTCAAGTGGGATGCCCTCAGGCTAGCTAGCATGGAAGAAACAAAGCAATTTACATAG 352
DB 1294 RR 1235
QY 353 TTTTAATGATCTCCAGAACTCAGAAAGTGAATGAGTGAAGTGAAGTGAAGTGAAGT 412
DB 1234 RR 1175
QY 413 AGAAGAACAGGAAAATGGAGAGAGACCTCTTGGACCTGATCTTGAAGACCTAAAC 472
DB 1174 RR 1115
QY 473 GCCAAGTACAAACACATAAGTCTTCAAGAGATCTAGAACAGCAAGTCAAGGCTC 531
DB 1114 RR 1056

RESULT 12
US-09-687-875A-13
Sequence 13, Application US/09687875A
Patent No. 6544786
GENERAL INFORMATION:
APPLICANT: Xiao, Xiao
APPLICANT: Liu, Paul
TITLE OF INVENTION: METHOD AND VECTOR FOR PRODUCING AND TRANSFERRING TRANS-SPICED PE
FILE REFERENCE: 00792
CURRENT APPLICATION NUMBER: US/09/687,875A
CURRENT FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/158,868
PRIOR FILING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Patent in version 3.1
SEQ ID NO 13
LENGTH: 238
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: pXX-C2 5' junction
US-09-687-875A-13

Query Match 4.2%; Score 63.6; DB 4; Length 238;
Best Local Similarity 94.3%; Pred. No. 1.6e-09;
Matches 66; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 924 TTCGATGATCGAGTCTCTGTACAAAGACGTTTGGTAAACATGAATCTTCAAGTGGAGTGA 983
DB 169 TTGGACGACGAGTACTGTACAAAGACGTTTGGTAAACATGAATCTTCAAGTGGAGTGA 228

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QY 984 ACTTCGGAAA 993
Db 229 ACTTCGGAAA 238

RESULT 13
US-09-621-976-15639/c
; Sequence 15639, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET-054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 15639
; LENGTH: 505
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-15639

Query Match 3.1%; Score 46.2; DB 4; Length 505;
Best Local Similarity 17.4%; Pred No. 0.00052;
Matches 54; Conservative 131; Mismatches 124; Indels 2; Gaps 1;

QY 219 AAGTAAGTCGTGTTGAACAGGAAATATCAGAAGTGAAGAACTGAAGTACAGCA 278
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
445 AATYAACRWAWAGAGAAWKRWMAGSMRACARAGTTMAWACWAMARRGWRCAGR--T 388

QY 279 GATGATCTCTTAATTCAGATGGATGCTCAGGTAGCTAGCATGGAACAAAG 338
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
387 GSWGKGGYRWGHWGMAAKWRMAAGSYCGNTSYTSKRGKRGKTKRKRWMTY 328

QY 339 CAATTTACATAGAGTTTAAATGATCTCCAGAATCAGAACTGAAAGAGTTGATGACTG 398
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
327 SGMTWTSYKTKTGKTKGWSKKTRWCTTSRWKYMWMSCWARSMSKWSRWSYMWAC 268

QY 399 GCTAACAAACAGACAGAAAGACAGAAATGAGGAGAGAGCTCTTGACCTGATCT 458
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
267 WQMSASAYRARRSMRMRAGAGWRRGKRRGKRRGKRRGKRRGKRRGKRRGKRRGK 208

QY 459 TGAAGACCTAAACGCCAAGTACACACATAAGTGCTTCAAGAGATCTAGAACAGA 518
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : :
207 RYCRWMSCRMYSYSCWMSKMSRCRGTCARWRYARVAKRYASSMGKYMGCWCYAKC 148

QY 519 ACAAGTCAGG 529
Db | : | : : : :

RESULT 14
US-09-198-452A-1/c
; Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1
; LENGTH: 1230025
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (735001)..(750000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (750001)..(765000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (765001)..(780000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (780001)..(795000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (795001)..(810000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (810001)..(825000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (840001)..(855000)
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NAME/KEY: misc_feature
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (870001)..(885000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (885001)..(900000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (900001)..(915000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature

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242	AAATTATCAGAGATGATGAAGAACTCGAGTACAAGACAGATGAATCTCTAAATTCACAGAT	301
Qy		
556477	AAATTGAAAGAAAGAGAGAAAGAGAGAAATTTGGAGATATCAAGACTCAGATACAAAT	556418
Ddb		
302	GGGAATGCCCTCAGGGTAGCTAGCATCGGAAAAACAAGCAATTTACATAGACTTTTAATGG	361
Qy		
556417	GGGTTTCGATCACTCAAGCTGCTAAATTTACATAGCTACTAGGCAAGCAATTTATGTGG	556358
Ddb		
362	ATCTCCAGAAATCAGAACTCGAAAGAGTTGAATGACTGGCTAAACAAAAACAGA	413
Qy		
556357	CAATTAAGCAGAAAAAATCAAAAGCTTCTTAAGAGACGGCGCTGGGAAATAGA	556306
Ddb		

RESULT 15
US-09-107-532A-1186
Sequence 1186, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: LYNN A DOUCETTE-STAMM and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
City: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:

MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 1186:
SEQUENCE CHARACTERISTICS:
LENGTH: 1179 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (B) LOCATION 1...1179
SEQUENCE DESCRIPTION: SEQ ID NO: 1186:
US-09-107-532A-1186
Query Match 2.9%; Score 43.4; DB 4; Length 1179;
Best Local Similarity 50.7%; Pred. No. 0.0064;
Matches 104; Conservative 0; Mismatches 101; Indels 0; Gaps 0;
QY 371 ATCAGAACTGAAGAGTTGAATGCTGCTTAAACAAAACAGAAAGAACAGGAAAA 430
Db |||||
602 AGCAAGATTAAGATTGATCGATCAGACAAAGAAAATGGAGATACGATCGAGGAA 661
QY 431 TGGAGGAGAGAGCTCTTGGACCTGATCTTGAAGACCTTAAACGCCAAGTACAAACATA 490
Db |||||
662 TTGTAGAAAGTCTGCTTGGAGCGCTCCAGCTGGATTAGGAAGCTACGTTCAATGGGACA 721
QY 491 AGGTGCTTCAAGAGATCTAGAACAAAGAACAGTCAGGTCATTTCTCTCCTCACATGG 550
Db |||||
722 CGAGCTAGATGCCAAATCCCAACAGCTGGTTAGTATCAATGCCCTTTAAGGCGTAG 781
QY 551 TGGTGGTAGTTGATGAATCTAGTGG 575
Db |||||
782 AATTGGGGTCGGATTCACTTCTGG 806

Search completed: September 14, 2004, 02:32:02
Job time : 114 secs

ALIGNMENTS

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US-09-845-416-6
, , Sequence 6, Application US/09845416
, , Publication No. US20030171312A1
, , GENERAL INFORMATION:
, , APPLICANT: XIAO, XIAO
, , TITLE OF INVENTION: DNA SEQUENCE EN
, , TITLE OF INVENTION: THEREOF
, , FILE REFERENCE DEL143
, , CURRENT APPLICATION NUMBER: US/09/
, , CURRENT FILING DATE: 2001-04-30
, , PRIOR APPLICATION NUMBER: 60/200,7
, , PRIOR FILING DATE: 2000-04-28
, , NUMBER OF SEQ ID NOS: 36
, , SOFTWARE: PatentIn Ver. 2.1
, , SEQ ID NO 6
, , LENGTH: 3999
, , TYPE: DNA
, , ORGANISM: Homo sapiens
US-09-845-416-6

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[illegible]

Accession	Sequence	Length
QY	61 TGATGAATCTAGTGGAGATCAAGCAACTGCTCTTTGGAGAACAACTTAAAGTATTGGG	120
Db	1560 TGATGAATCTAGTGGAGATCAAGCAACTGCTCTTTGGAGAACAACTTAAAGTATTGGG	1619
QY	121 AGATCGATGGGCAACATCTGTAGATGGACAGAAGACCGCTGGGTTCTTTTCAAGACCA	180
Db	1620 AGATCGATGGGCAACATCTGTAGATGGACAGAAGACCGCTGGGTTCTTTTCAAGACCA	1679

Result	Query	Score	Match	Length	DB	ID	Description
No							

NO.	DOSE	PACK	LOGS	
1	1501	100.0	3999	10 US-09-845-416-6 Sequence 6, Appl
2	1501	100.0	4966	10 US-09-845-416-28 Sequence 28, Appl
3	1501	100.0	4990	10 US-09-845-416-34 Sequence 34, Appl
4	1283	85.5	5462	16 US-10-149-736-41 Sequence 41, Appl
5	1209	80.5	3858	10 US-09-845-416-9 Sequence 9, Appl
6	1209	80.5	4825	10 US-09-845-416-29 Sequence 29, Appl
7	1209	80.5	4848	10 US-09-845-416-35 Sequence 35, Appl
8	1209	80.5	5060	10 US-09-845-416-36 Sequence 36, Appl
9	1183.2	78.8	4182	10 US-09-845-416-2 Sequence 2, Appl
10	1183.2	78.8	5149	10 US-09-845-416-27 Sequence 27, Appl
11	1182.6	78.8	8689	16 US-10-149-736-42 Sequence 42, Appl
12	1182.6	78.8	11058	10 US-09-845-416-1 Sequence 1, Appl
13	1182.6	78.8	11443	16 US-10-149-736-44 Sequence 44, Appl
14	1182.6	78.8	12057	16 US-10-149-736-47 Sequence 47, Appl

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB ID	Description
1	1501	100.0	3999	10	US-09-845-416-6 Sequence 6, Appli
2	1501	100.0	4966	10	US-09-845-416-28 Sequence 28, Appli
3	1501	100.0	4990	10	US-09-845-416-34 Sequence 34, Appli
4	1283	85.5	5462	16	US-10-149-736-41 Sequence 41, Appli
5	1209	80.5	3858	10	US-09-845-416-9 Sequence 9, Appli
6	1209	80.5	4825	10	US-09-845-416-29 Sequence 29, Appli
7	1209	80.5	4848	10	US-09-845-416-35 Sequence 35, Appli
8	1209	80.5	5060	10	US-09-845-416-36 Sequence 36, Appli
9	1183.2	78.8	5149	10	US-09-845-416-27 Sequence 27, Appli
10	1183.2	78.8	5149	10	US-09-845-416-27 Sequence 42, Appli
11	1182.6	78.8	8689	16	US-10-149-736-42 Sequence 1, Appli
12	1182.6	78.8	11058	10	US-09-845-416-1 Sequence 44, Appli
13	1182.6	78.8	11443	16	US-10-149-736-44 Sequence 47, Appli
14	1182.6	78.8	12057	16	US-10-149-736-47 Sequence 47, Appli

181 GCTGACCTAGCTCTCTGAGTACCACTATTTGGAGCTCTCTCTACTCAGACTGTTACTCT 240
1680 GCTGACCTAGCTCTCTGAGTACCACTATTTGGAGCTCTCTCTACTCAGACTGTTACTCT 1739
241 GGTGACAACTGCTGTTGTTTAAAGAACTCCCAATCTCCAACTAGAAATGCCATCTTC 300
1740 GGTGACAACTGCTGTTTAAAGAACTCCCAATCTCCAACTAGAAATGCCATCTTC 1739
301 CTTGATGTTGGAGTACCTACTCATAGATTACTGCAACAGTTCCCTCCGACCTGGAAAA 360
1800 CTTGATGTTGGAGTACCTACTCATAGATTACTGCAACAGTTCCCTCCGACCTGGAAAA 1859
361 GTTCTCTGCTGGCTTACAGAGCTGAAACCACTGCCAATGTCTTACAGGATGTTACCCG 420
1860 GTTCTCTGCTGGCTTACAGAGCTGAAACCACTGCCAATGTCTTACAGGATGTTACCCG 1919
421 TAAAGAAAGCTCTTAGAAGACTCCAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGA 480
1920 TAAAGAAAGCTCTTAGAAGACTCCAGGGAGTAAAGAGCTGATGAAACAAATGGCAAGA 1979
481 CCTCAAGGTGAAATTTGAAGCTCACACAGATGTTTATCACAACTGGATGAAACAGCCA 540
1980 CCTCAAGGTGAAATTTGAAGCTCACACAGATGTTTATCACAACTGGATGAAACAGCCA 2039
541 AAAATCTGAGATCCCTGGAGGTTCCGATGATGAGTCTCTGTTACAAAGACGTTTGGG 600
2040 AAAATCTGAGATCCCTGGAGGTTCCGATGATGAGTCTCTGTTACAAAGACGTTTGGG 2099
601 TAACTGAATCTCAAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGTCCCAATT 660
2100 TAACTGAATCTCAAGTGGAGTGAATTCGGAAGAAAGTCTCTCAACATTAGTCCCAATT 2159
661 GGAAGCCAGTCTGACCACTGGAAGCGTCTGACCTTTCTCTGAGGAACTCTGCTGTG 720
2160 GGAAGCCAGTCTGACCACTGGAAGCGTCTGACCTTTCTCTGAGGAACTCTGCTGTG 2219
721 GCTACAGCTGAAAGATGATGATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCAGC 780
2220 GCTACAGCTGAAAGATGATGATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCAGC 2279
781 AGTTCAAGAGCAAGATGATGATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCAGC 840
2280 AGTTCAAGAGCAAGATGATGATTAAGCCGCGAGGACCTATTGGAGGCGACTTTCAGC 2339
841 TGTATCATGATGATCTTGTGAGCTGATGATGATGATGATGATGATGATGATGATGAT 900
2340 TGTATCATGATGATCTTGTGAGCTGATGATGATGATGATGATGATGATGATGATGAT 2399
901 ACTAGAGAACTCTACAGAGGAGCCAGAGCTGCTCTCTGAGGAGAGCCAGAGATGT 960
2400 ACTAGAGAACTCTACAGAGGAGCCAGAGCTGCTCTCTGAGGAGAGCCAGAGATGT 2459
961 CACTCGGCTTCTACAAAGCGCTGAGGAGGTCAATGATGATGATGATGATGATGATGATGAT 1020
2460 CACTCGGCTTCTACAAAGCGCTGAGGAGGTCAATGATGATGATGATGATGATGATGATGAT 2519
1021 GCATCTCGCTGAGTGGAGAGAAATAGATGAGACCTTTGAAAGCTCCAGAGACTTCA 1080
2520 GCATCTCGCTGAGTGGAGAGAAATAGATGAGACCTTTGAAAGCTCCAGAGACTTCA 2579
1081 AGAGCCACCGATGAGTGGACCTCAAGCTGCGCAAGCTGAGGTGATCAAGGGATCTTG 1140
2580 AGAGCCACCGATGAGTGGACCTCAAGCTGCGCAAGCTGAGGTGATCAAGGGATCTTG 2639
1141 GCAGCCGCTGGGCGATCTCTCATTTGATCTCTCCAGATGATGATGATGATGATGATGATGAT 1200
2640 GCAGCCGCTGGGCGATCTCTCATTTGATCTCTCCAGATGATGATGATGATGATGATGATGAT 2699
1201 ACTTCGAGGAGAAATTCGCTCTGAAAGAGAGAGCTGAGGACGTCATGACCTTGTCTG 1260
2700 ACTTCGAGGAGAAATTCGCTCTGAAAGAGAGAGCTGAGGACGTCATGACCTTGTCTG 2759
1261 CCAGCTTACCACTTTGGGCATTGAGCTCTCACCGTATACCTCAGGACTCTGGAAGACCT 1320

2760 CCAGCTTACCACTTTGGGCATTGAGCTCTCACCGTATACCTCAGGACTCTGGAAGACCT 2819
1321 GAACACAGATGAAAGCTTTTGCAGGTGCGCTGCGAGGACCGAGTCCAGCAGCTGCATGA 1380
2820 GAACACAGATGAAAGCTTTTGCAGGTGCGCTGCGAGGACCGAGTCCAGCAGCTGCATGA 2879
1381 AGCCACAGAGGACTTTGGTCCAGCATCTCAGCACTTTCTTCCAGTCTGTCCAGGCTCC 1440
2880 AGCCACAGAGGACTTTGGTCCAGCATCTCAGCACTTTCTTCCAGTCTGTCCAGGCTCC 2939
1441 CTGGGAGAGAGGACTCTCGCCAAACAAAGTGCCTACTATATCAACACGAGACTCAAAAC 1500
2940 CTGGGAGAGAGGACTCTCGCCAAACAAAGTGCCTACTATATCAACACGAGACTCAAAAC 2999
1501 A 1501
3000 A 3000

RESULT 2
US-09-845-416-28
; Sequence 28, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 28
; LENGTH: 4966
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-28

Query Match 100.0%; Score 1501; DB 10; Length 4966;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGATCTAGAACCAAGAACAGTCAGGTCATTTCTCTCACTCAGATGTTGGTAGT 60
DB 2257 AGAAGATCTAGAACCAAGAACAGTCAGGTCATTTCTCTCACTCAGATGTTGGTAGT 2316
QY 61 TCATGAATCTAGTGGAGATCAGCACTGCTGCTTTGGAAGAACCACTTAAGGTTATGGG 120
DB 2317 TCATGAATCTAGTGGAGATCAGCACTGCTGCTTTGGAAGAACCACTTAAGGTTATGGG 2376
QY 121 AGATCGATGGGCAACATCTGTAGATGACACAGAACCGCTGGGTTCTTTTACAGACCA 180
DB 2377 AGATCGATGGGCAACATCTGTAGATGACACAGAACCGCTGGGTTCTTTTACAGACCA 2436
QY 181 GCCTGACCTAGCTCTCTGAGTACCACTATTGAGAGCTCTCTCTACTCAGACTGTTACTCT 240
DB 2437 GCCTGACCTAGCTCTCTGAGTACCACTATTGAGAGCTCTCTCTACTCAGACTGTTACTCT 2496
QY 241 GGTGACACAACTGTGGTTTACTTAAGGAACTGCCATCTCCAACTAGAAATGCCATCTTC 300
DB 2497 GGTGACACAACTGTGGTTTACTTAAGGAACTGCCATCTCCAACTAGAAATGCCATCTTC 2556
QY 301 CTTGATGTTGAGGTACCTACTCATAGATGATGATGATGATGATGATGATGATGATGATGAT 360
DB 2557 CTTGATGTTGAGGTACCTACTCATAGATGATGATGATGATGATGATGATGATGATGATGAT 2616
QY 361 GTTCTCTGCTGGCTTACAGAGCTGAAACCACTGCAATGCTCTACAGGATGCTACCG 420
DB 2617 GTTCTCTGCTGGCTTACAGAGCTGAAACCACTGCAATGCTCTACAGGATGCTACCG 2676

QY	421	TAAGGAAAGGCTCTAGAGACTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGA	480
Db	2677	TAAGGAAAGGCTCTAGAGACTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGA	2736
QY	481	CCTCCAAAGGTAAATGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCA	540
Db	2737	CCTCCAAAGGTAAATGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCA	2796
QY	541	AAAAATCCTGAGATCCTCGAAGGTTCCGATGATGAGTCTCTTCAAAAGAGCTTTGA	600
Db	2797	AAAAATCCTGAGATCCTCGAAGGTTCCGATGATGAGTCTCTTCAAAAGAGCTTTGA	2856
QY	601	TAACATGAATCTCAAGTGGAGTGAATTCGAAAAAGTCTCTCAAAATAGGTCCTCATTT	660
Db	2857	TAACATGAATCTCAAGTGGAGTGAATTCGAAAAAGTCTCTCAAAATAGGTCCTCATTT	2916
QY	661	GGAGCCAGTCTTGACAGTGGAGGCTCTGACCTTCTCTCGAGAACTCTCTGTGTG	720
Db	2917	GGAGCCAGTCTTGACAGTGGAGGCTCTGACCTTCTCTCGAGAACTCTCTGTGTG	2976
QY	721	GCTACAGCTCAAGATGATGAATTAAGCCGCGAGGACCTTATTGGAGGCACTTTCCAGC	780
Db	2977	GCTACAGCTCAAGATGATGAATTAAGCCGCGAGGACCTTATTGGAGGCACTTTCCAGC	3036
QY	781	AGTTCAAGAGAGACGATGTACATAGGCGCTTCAAGAGGGAATGAAACTAAGAAC	840
Db	3037	AGTTCAAGAGAGACGATGTACATAGGCGCTTCAAGAGGGAATGAAACTAAGAAC	3096
QY	841	TGTAATCATAGTACTCTTGAGACTGTACAAATATTTCTGACAGAGCAGCTTTGGAAG	900
Db	3097	TGTAATCATAGTACTCTTGAGACTGTACAAATATTTCTGACAGAGCAGCTTTGGAAG	3156
QY	901	ACTAGAGAACTCTACAGAGGCCAGAGAGTCCCTCTGAGGAGAGCCCGAGATGT	960
Db	3157	ACTAGAGAACTCTACAGAGGCCAGAGAGTCCCTCTGAGGAGAGCCCGAGATGT	3216
QY	961	CACCTCGGCTCTACGAAGCAGGCTGAGGAGTCAATCTGAGTGGGAAAAATTTGAACCT	1020
Db	3217	CACCTCGGCTCTACGAAGCAGGCTGAGGAGTCAATCTGAGTGGGAAAAATTTGAACCT	3276
QY	1021	GCACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATTC	1080
Db	3277	GCACTCCGCTGACTGGCAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATTC	3336
QY	1081	AGAGCCACGATGAGCTGGACCTCAAGCTGGCCAGCTGAGTGTCAAGGGATCCTG	1140
Db	3337	AGAGCCACGATGAGCTGGACCTCAAGCTGGCCAGCTGAGTGTCAAGGGATCCTG	3396
QY	1141	GCAGCCGTGGCGATCTCCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGC	1200
Db	3397	GCAGCCGTGGCGATCTCCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGC	3456
QY	1201	ACTTCGAGGAAATTTGGCCTCTGAAAGAAAGAGAAAGTCAATGACCTTGTCTG	1260
Db	3457	ACTTCGAGGAAATTTGGCCTCTGAAAGAAAGAGAAAGTCAATGACCTTGTCTG	3516
QY	1261	CCAGCTTACCACTTTGGGCAATTCAGCTCTCAAGCTTATACTCGACCTCTGGAAGACCT	1320
Db	3517	CCAGCTTACCACTTTGGGCAATTCAGCTCTCAAGCTTATACTCGACCTCTGGAAGACCT	3576
QY	1321	GAAACACAGATGGAAGTCTTTCAGGTGGCCGTGAGAGCCAGTCAAGGAGCTGCAATGA	1380
Db	3577	GAAACACAGATGGAAGTCTTTCAGGTGGCCGTGAGAGCCAGTCAAGGAGCTGCAATGA	3636
QY	1381	AGCCCAAGGAGCTTTGGTCCAGGATCTCAGCACTTTCTTTCCAGCTCTGTCAGGGTCC	1440
Db	3637	AGCCCAAGGAGCTTTGGTCCAGGATCTCAGCACTTTCTTTCCAGCTCTGTCAGGGTCC	3696
QY	1441	CTGGGAGAGAGCCTCTCGCCAAAACAAAGTGCCTTACTATATCAACACGAGACTCAAC	1500
Db	3697	CTGGGAGAGAGCCTCTCGCCAAAACAAAGTGCCTTACTATATCAACACGAGACTCAAC	3756
QY	1501	A	1501

Db	3757	A	3757
RESULT 3			
US-09-845-416-34			
; Sequence 34, Application US/09845416			
; Publication No. US20030171312A1			
; GENERAL INFORMATION:			
; APPLICANT: XIAO, XIAO			
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE THEREOF			
; FILE REFERENCE: DE1142			
; CURRENT APPLICATION NUMBER: US/09/845,416			
; CURRENT FILING DATE: 2001-04-30			
; PRIOR APPLICATION NUMBER: 60/200,777			
; PRIOR FILING DATE: 2000-04-28			
; NUMBER OF SEQ ID NOS: 36			
; SOFTWARE: PatentIn ver. 2.1			
; SEQ ID NO 34			
; LENGTH: 4990			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-845-416-34			
Query Match 100.0%; Score 1501; DB 10; Length 4990;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	AGAGATCTAGAACCAAGAACAAAGTCAGGTCAATTCTCTCTCTCATCATGCTGCTGTAGT	60
Db	2281	AGAGATCTAGAACCAAGAACAAAGTCAGGTCAATTCTCTCTCTCATCATGCTGCTGTAGT	2340
QY	61	TGATGAATCTAGTGGAGATCAGCAACTGCTCTTTTGAAGAACAACTTAAGGTATTGGG	120
Db	2341	TGATGAATCTAGTGGAGATCAGCAACTGCTCTTTTGAAGAACAACTTAAGGTATTGGG	2400
QY	121	AGATCGATGGGCAAAACATCTGTAGATGGACAGAACCGCTGGTCTTTTCAAGACCA	180
Db	2401	AGATCGATGGGCAAAACATCTGTAGATGGACAGAACCGCTGGTCTTTTCAAGACCA	2460
QY	181	GCTGACCTAGCTCTGAGCTGACCACTATTGGAGCCTCTCTCTCTCATCATGCTGCT	240
Db	2461	GCTGACCTAGCTCTGAGCTGACCACTATTGGAGCCTCTCTCTCTCATCATGCTGCT	2520
QY	241	GGTGACACAACTGTGGTTACTTAAGGAAACTGCCATCTCCAAACTAGAAATGCCATCTTC	300
Db	2521	GGTGACACAACTGTGGTTACTTAAGGAAACTGCCATCTCCAAACTAGAAATGCCATCTTC	2580
QY	301	CTTGATTTGGAGGTACCTACTCATATAGATTACTGCAACAGTTCCTCCCTGGACCTGGA	360
Db	2581	CTTGATTTGGAGGTACCTACTCATATAGATTACTGCAACAGTTCCTCCCTGGACCTGGA	2640
QY	361	GTTCCTGCTGGCTTACAGAGCTGAAACAACTGCCAATGTCTACAGGATGCTACCCG	420
Db	2641	GTTCCTGCTGGCTTACAGAGCTGAAACAACTGCCAATGTCTACAGGATGCTACCCG	2700
QY	421	TAAGGAAAGCTCCTTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGA	480
Db	2701	TAAGGAAAGCTCCTTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAAACAATGGCAAGA	2760
QY	481	CCTCCAAAGGTAAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCA	540
Db	2761	CCTCCAAAGGTAAATTTGAAGCTCACACAGATGTTTATCAACCTGGATGAAACAGCCA	2820
QY	541	AAAAATCCTGAGATCCTCGAAGGTTCCGATGATGAGTCTCTTTTCAAGAGAGCTTTGA	600
Db	2821	AAAAATCCTGAGATCCTCGAAGGTTCCGATGATGAGTCTCTTTTCAAGAGAGCTTTGA	2880
QY	601	TAAACATGAATTTCAAGTGGAGTGAATTCGAAAAAGTCTCTCAACATTAGGTCCTCATTT	660
Db	2881	TAAACATGAATTTCAAGTGGAGTGAATTCGAAAAAGTCTCTCAACATTAGGTCCTCATTT	2940

QY	661	GGAAAGCAGGTTCTGACCAAGTGGAAAGCGTCTGCACCTTTCTCTGAGGAACTTCTGGTG	720
DB	2941	GGAAAGCAGGTTCTGACCAAGTGGAAAGCGTCTGCACCTTTCTCTGAGGAACTTCTGGTG	3000
QY	721	GCTACAGCTGAAGCATGATGAATTAAGCCGGCAGGCACTATTGAGGCGGACTTTCCAGC	780
DB	3001	GCTACAGCTGAAGCATGATGAATTAAGCCGGCAGGCACTATTGAGGCGGACTTTCCAGC	3060
QY	781	AGTTTCAGAGCAGAAACGATGTACATATGGGCGCTTCAAGAGGGAATTGAAACTTAAGAACC	840
DB	3061	AGTTTCAGAGCAGAAACGATGTACATATGGGCGCTTCAAGAGGGAATTGAAACTTAAGAACC	3120
QY	841	TGTAATCATGAGTACTCTTGAGACTGTACGAATATTTCTGACAGCAGGCTTTGGAAGG	900
DB	3121	TGTAATCATGAGTACTCTTGAGACTGTACGAATATTTCTGACAGCAGGCTTTGGAAGG	3180
QY	901	ACTAGAAACTCTTACCAGGAGCCACAGAGCTCCCTCTGAGGAGAGAGCCAGAAATGT	960
DB	3181	ACTAGAAACTCTTACCAGGAGCCACAGAGCTCCCTCTGAGGAGAGAGCCAGAAATGT	3240
QY	961	CATCTGGCTTTACGAAAGCAGGCTGAGGAGGTCAATTACTAGTGGGAAAAATTGAACCT	1020
DB	3241	CATCTGGCTTTACGAAAGCAGGCTGAGGAGGTCAATTACTAGTGGGAAAAATTGAACCT	3300
QY	1021	GCACTCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGCTCCAGAGAACTTCA	1080
DB	3301	GCACTCGCTGACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGCTCCAGAGAACTTCA	3360
QY	1081	AGAGGCCACCGATGAGTGGACTCAAGCTGCGCCAGCTGAGGTGATCAAGGGATCTCTG	1140
DB	3361	AGAGGCCACCGATGAGTGGACTCAAGCTGCGCCAGCTGAGGTGATCAAGGGATCTCTG	3420
QY	1141	GCAGCCGTGGCGGATCTCTCTATGACTCTCTCCAGAGTCACTCGAGAAATCTCAAGC	1200
DB	3421	GCAGCCGTGGCGGATCTCTCTATGACTCTCTCCAGAGTCACTCGAGAAATCTCAAGC	3480
QY	1201	ACTTCGAGGAGAAATTGCGCTCTGAAAGAGAAACGTGAGCCAGCTCAATGACCTTGCTCG	1260
DB	3481	ACTTCGAGGAGAAATTGCGCTCTGAAAGAGAAACGTGAGCCAGCTCAATGACCTTGCTCG	3540
QY	1261	CCAGCTTACCACTTTGGGCAATTCAGCTCTCACCGGTATAACCTCAGCACTCTGGAAGACCT	1320
DB	3541	CCAGCTTACCACTTTGGGCAATTCAGCTCTCACCGGTATAACCTCAGCACTCTGGAAGACCT	3600
QY	1321	GAAACACGATGGAAGCTTCTGCAAGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGA	1380
DB	3601	GAAACACGATGGAAGCTTCTGCAAGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGA	3660
QY	1381	AGCCCAAGGGAATTTGGTTCAGCATCTCAGCACTTTCTTTTCCAGTCTGTCAGGGTCC	1440
DB	3661	AGCCCAAGGGAATTTGGTTCAGCATCTCAGCACTTTCTTTTCCAGTCTGTCAGGGTCC	3720
QY	1441	CTGGGAGAGGACCATCTCGCCAAACAAAGTGCCCTACTATATCAAACACGAGACTCAAAC	1500
DB	3721	CTGGGAGAGGACCATCTCGCCAAACAAAGTGCCCTACTATATCAAACACGAGACTCAAAC	3780
QY	1501	A	1501
DB	3781	A	3781

RESULT 4

```

US-10-149-736-41
; Sequence 41, Application US/10149736
; Publication No. US20030216332A1
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Harper, Scott Q.
; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
; FILE REFERENCE: UN-06968
; CURRENT APPLICATION NUMBER: US/10/149,736
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US01/31136

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1031	QY		GACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGACTCCAGGAACCTTCCAGAGGCCACG	1090
2378	Db		GACTGGCAGAGAAAAATAGATGAGACCCCTTGAAGAGACTCCAGGAACCTTCCAGAGGCCACG	2437
1091	QY		GATGAGCTGGACTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGATCTCTGGCAGGCCGTG	1150
2438	Db		GATGAGCTGGACTCAAGCTGCGCCAAAGCTGAGGTGATCAAGGATCTCTGGCAGGCCGTG	2497
1151	QY		GGCGATCTCCTCATTTGACTCTCTCCAAGATCACTTCGAGAAAGTCAAGGCACTTCGAGGA	1210
2498	Db		GGCGATCTCCTCATTTGACTCTCTCCAAGATCACTTCGAGAAAGTCAAGGCACTTCGAGGA	2557
1211	QY		GAAATTGCGCCCTGTAAGAGAACGTGAGCCAGTCAATTGACCTTGCTCGCCAGCTTACC	1270
2558	Db		GAAATTGCGCCCTGTAAGAGAACGTGAGCCAGTCAATTGACCTTGCTCGCCAGCTTACC	2617
1271	QY		ACTTTGGGCATTGAGCTCTCACCGTATAACCTCAGCACTCTGGAAGACCTGAAACCCAGA	1330
2618	Db		ACTTTGGGCATTGAGCTCTCACCGTATAACCTCAGCACTCTGGAAGACCTGAAACCCAGA	2677
1331	QY		TGGAAGCTTCTGAGGTGGCCGTCGAGGACCGAGTCAAGGAGCTGATGAAGCCCAACGG	1390
2678	Db		TGGAAGCTTCTGAGGTGGCCGTCGAGGACCGAGTCAAGGAGCTGATGAAGCCCAACGG	2737
1391	QY		GACTTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTCTGTCCAGGGTCCCTGGGAGAGA	1450
2738	Db		GACTTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTCTGTCCAGGGTCCCTGGGAGAGA	2797
1451	QY		GCATCTCGCCAAACAAAGTGCCCTACTATATCAACCAAGAGACTCAACA	1501
2798	Db		GCATCTCGCCAAACAAAGTGCCCTACTATATCAACCAAGAGACTCAACA	2848

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RESULT 5
US-09-845-416-9
; Sequence 9, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 3858
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-9

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Query Match	80.5%	Score 1209;	DB 10;	Length 3858;
Best Local Similarity	90.6%;	Pred. No. 0;		
Matches 1360; Conservative	0;	Mismatches	0;	Indels 141; Gaps 1;
QY	1	AGBAGTCTAGAACAGAACAGATCAGGTCATTTCTCTCACTCACATGCTGGTGGTAGT	60	
Db	1500	AGBAGTCTTAGAACAGAACAGTCAGGTCATTTCTCTCACTCACATGCTGGTGGTAGT	1559	
QY	61	TGATGAATCTAGTGGAGATCACGCAACTGCTGCTTTGGAGAACAACTTAAGGTATTGGG	120	
Db	1560	TGATGAATCTAGTGGAGATCACGCAACTGCTGCTTTGGAGAACAACTTAAGGTATTGGG	1619	
QY	121	AGATCGATGGGCAACACTCTGTAGATGGACAGACCGCTGGGTTCTTTTACAAGACCA	180	
Db	1620	AGATCGATGGGCAACACTCTGTAGATGGACAGACCGCTGGGTTCTTTTACAAGAC--	1677	
QY	181	GCCTGACCTAGCTCCTGGACTGACCACTATTGGAGCCTCTCCTACTCAGACTGTACTCT	240	
Db	1678	-----	1677	

QY 1321 GAACACAGAGGAGCTTCTCAGGTGGCGCTGAGGACCGAGTCAGGAGCTGCATGA 1380
 Db 2679 GAACACAGAGTGAAGCTTCTGAGGTGGCGCTGAGGACCGAGTCAGGAGCTGCATGA 2738
 QY 1381 AGCCACACAGGAGCTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTGTCCAGGGTCC 1440
 Db 2739 AGCCACACAGGAGCTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTGTCCAGGGTCC 2798
 QY 1441 CTGGAGAGAGCCATCTCCGCAAAACAAAGTGCCTTATATATCAACCAAGAGCTCAAAAC 1500
 Db 2799 CTGGAGAGAGCCATCTCCGCAAAACAAAGTGCCTTATATATCAACCAAGAGCTCAAAAC 2858
 QY 1501 A 1501
 Db 2859 A 2859

RESULT 6
 US-09-845-416-29
 ; Sequence 29, Application US/09845416
 ; Publication No. US20030171312A1
 ; GENERAL INFORMATION:
 ; APPLICANT: XIAO, XIAO
 ; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
 ; FILE OF INVENTION: THEREOF
 ; FILE REFERENCE: DE1142
 ; CURRENT APPLICATION NUMBER: US/09/845,416
 ; CURRENT FILING DATE: 2001-04-30
 ; PRIOR APPLICATION NUMBER: 60/200,777
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 36
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 29
 ; LENGTH: 4825
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-845-416-29

Query Match 80.5%; Score 1209; DB 10; Length 4825;
 Best Local Similarity 90.6%; Pred. No. 0;
 Matches 1360; Conservative 0; Mismatches 0; Indels 141; Gaps 1;

QY 1 AGAGATCTGAAACAGAGACAGTCAAGTCAATTTCTCACTCAGATGTTGGTAGT 60
 Db 2257 AGAGATCTGAAACAGAGACAGTCAAGTCAATTTCTCACTCAGATGTTGGTAGT 2316
 QY 61 TGATGAATCTAGTGGAGATCAGCAACTGCTGCTTTGGAAGAACAACTTAAGGTATTGGG 120
 Db 2317 TGATGAATCTAGTGGAGATCAGCAACTGCTGCTTTGGAAGAACAACTTAAGGTATTGGG 2376
 QY 121 AGATGATGGCAACATCTGTAGATGAGACAGAGACCGTGGTCTTTTCAAGACCA 180
 Db 2377 AGATGATGGCAACATCTGTAGATGAGACAGAGACCGTGGTCTTTTCAAGACCA -- 2434
 QY 181 GCCTGACCTAGCTCCTGAGATGACCACTATTGGAGCTCTCTCTACTCAGACTGTTACTCT 240
 Db 2435 ----- 2434
 QY 241 GGTGACACAACTGTGTTACTAAGGAACTGGCAATCTCCAACTGAAATGCCATCTTC 300
 Db 2435 ----- 2434
 QY 301 CTTCATGTTGAGGTACCTACTCATAGATTACTGCAACAGTCCCTGACCTGGAAA 360
 Db 2435 -----ACTCATGTTTCTGCAACAGTTCCTCTGACCTGGAAA 2475
 QY 361 GTTCTTTCCTGGTTTACAGAGCTGAAACAACTGCCAATGTCTTACAGAGTCTACCCG 420
 Db 2476 GTTCTTTCCTGGTTTACAGAGCTGAAACAACTGCCAATGTCTTACAGAGTCTACCCG 2535
 QY 421 TAAGGAAGGCTCTCTAGAGACTCCAGAGGATTAAGAGCTGATGAACAAATGGCAAG 480
 Db 2536 TAAGGAAGGCTCTCTAGAGACTCCAGAGGATTAAGAGCTGATGAACAAATGGCAAG 2595

QY 481 CTTCCAGGTGAATTTGAAGCTCAACAGATGTTTATCAACCTGGATGAAAAACAGCCA 540
 Db 2596 CTTCCAGGTGAATTTGAAGCTCAACAGATGTTTATCAACCTGGATGAAAAACAGCCA 2655
 QY 541 AAAAACTCTGAGATCCCTGGAAGGTTCCGATCATCGAGTCCCTGTTTACAAAGAGCGTTTGA 600
 Db 2656 AAAAACTCTGAGATCCCTGGAAGGTTCCGATCATCGAGTCCCTGTTTACAAAGAGCGTTTGA 2715
 QY 601 TAACATGAATCTTCAAGTGGAGTGAATTCGGAAGGTTCTCTCAACATTTAGTGTCCCATTT 660
 Db 2716 TAACATGAATCTTCAAGTGGAGTGAATTCGGAAGGTTCTCTCAACATTTAGTGTCCCATTT 2775
 QY 661 GGAAGCCAGTTCTGACCATGGAAGGTTGACCTTTCTCTGAGGAGAACCTTCTGGTGTG 720
 Db 2776 GGAAGCCAGTTCTGACCATGGAAGGTTGACCTTTCTCTGAGGAGAACCTTCTGGTGTG 2835
 QY 721 GCTACAGCTGAAAGATGATGAATTAAGCCGCGAGGACCTATTGAGGCGCACTTTCCAGC 780
 Db 2836 GCTACAGCTGAAAGATGATGAATTAAGCCGCGAGGACCTATTGAGGCGCACTTTCCAGC 2895
 QY 781 AGTTCAAGAGCAAGAGATGATGAGGCTTCAAGAGGGAATTTGAAGAAACC 840
 Db 2896 AGTTCAAGAGCAAGAGATGATGAGGCTTCAAGAGGGAATTTGAAGAAACC 2955
 QY 841 TGTAAATCATGATCTCTTTGAGCTGTACGAATTTCTGACAGAGAGCCCTTTGGAAGG 900
 Db 2956 TGTAAATCATGATCTCTTTGAGCTGTACGAATTTCTGACAGAGAGCCCTTTGGAAGG 3015
 QY 901 ACTAGAGAACTCTACAGAGCCCGAGAGAGTGCCTCTCTGAGGAGAGAGCCCAAGTGT 960
 Db 3016 ACTAGAGAACTCTACAGAGCCCGAGAGAGTGCCTCTCTGAGGAGAGAGCCCAAGTGT 3075
 QY 961 CACTCGGCTTCTACGAAAGAGAGGCTGAGGAGTCAATGAGTGGGAAAAATTTGAACCT 1020
 Db 3076 CACTCGGCTTCTACGAAAGAGAGGCTGAGGAGTCAATGAGTGGGAAAAATTTGAACCT 3135
 QY 1021 GCATCCGCTGACTGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCA 1080
 Db 3136 GCATCCGCTGACTGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAACTTCA 3195
 QY 1081 AGAGCCACGAGTGAAGTGGACCTCAAGCTGGCCAGCTGAGGTGATCAAGGATCTCTG 1140
 Db 3196 AGAGCCACGAGTGAAGTGGACCTCAAGCTGGCCAGCTGAGGTGATCAAGGATCTCTG 3255
 QY 1141 CGAGCCCTGGGCGATCTCTCATTTGACTCTCTCAAGATCACCTCGAGAAAGTCAAGGC 1200
 Db 3256 CGAGCCCTGGGCGATCTCTCATTTGACTCTCTCAAGATCACCTCGAGAAAGTCAAGGC 3315
 QY 1201 ACTTCGAGAGAAATTTGGCTCTGAAAGAGAAAGTGAAGCCAGCTCAATGACCTTGTCTG 1260
 Db 3316 ACTTCGAGAGAAATTTGGCTCTGAAAGAGAAAGTGAAGCCAGCTCAATGACCTTGTCTG 3375
 QY 1261 CCAGCTTACCACTTTGGGCACTTCAAGCTCTCAAGCTTAACTCAAGCTCTGGAAGACCT 1320
 Db 3376 CCAGCTTACCACTTTGGGCACTTCAAGCTCTCAAGCTTAACTCAAGCTCTGGAAGACCT 3435
 QY 1321 GAACACAGATGGAAGCTTTGCGAGGTGGCGCTGAGGACCGAGTCAGGAGCTGCATGA 1380
 Db 3436 GAACACAGATGGAAGCTTTGCGAGGTGGCGCTGAGGACCGAGTCAGGAGCTGCATGA 3495
 QY 1381 AGCCACAGGAGCTTTGCTCCAGCATCTCAGCACTTTCTTCCACGCTGTGTCAGGCTCC 1440
 Db 3496 AGCCACAGGAGCTTTGCTCCAGCATCTCAGCACTTTCTTCCACGCTGTGTCAGGCTCC 3555
 QY 1441 CTGGAGAGAGCCATCTGCGCAAAACAAAGTGCCTTATATCAACCAAGAGCTCAAAAC 1500
 Db 3556 CTGGAGAGAGCCATCTGCGCAAAACAAAGTGCCTTATATCAACCAAGAGCTCAAAAC 3615
 QY 1501 A 1501
 Db 3616 A 3616

RESULT 7
US-09-845-416-35
; Sequence 35, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DEL1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 4848
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-35

Query Match 80.5%; Score 1209; DB 10; Length 4848;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1360; Conservative 0; Mismatches 0; Indels 141; Gaps 1;

Qy 1 AGAAGATCTAGAACAAAGCAAGTCAGGGTCAATCTCTCACTCAATGTTGGTGTAGT 60
Db 2280 AGAAGATCTAGAACAAAGCAAGTCAGGGTCAATCTCTCACTCAATGTTGGTGTAGT 2339

Qy 61 TGATGATCTAGTGGAGTCAAGCACTGCTGTTTGGAGAGAACAACTTAAGTATTGGG 120
Db 2340 TGATGATCTAGTGGAGTCAAGCACTGCTGTTTGGAGAGAACAACTTAAGTATTGGG 2399

Qy 121 AGATCGATGGGCAACATCTGTAGATGGACAGAGACCGTGGTGTCTTTTACAAGACCA 180
Db 2400 AGATCGATGGGCAACATCTGTAGATGGACAGAGACCGTGGTGTCTTTTACAAGAC-- 2457

Qy 181 GCCTGACCTAGTCTCTGGAGTGCACCACTATTGGAGCCCTCTCTACTCAGACTGTTACTCT 240
Db 2458 ----- 2457

Qy 241 GGTGACACAACTGTGGTACTAAGGAAAGTCCATCTCCAACTAGAAATGCCATCTTC 300
Db 2458 ----- 2457

Qy 301 CTTGATGTTGAGTACCTACTATAGATTACTGCAACAGTTGCCCTCGACCTGGAAAA 360
Db 2458 -----ACTCATAGATTACTGCAACAGTTGCCCTCGACCTGGAAAA 2498

Qy 361 GTTTCTTGCCCTGTACAGAAGCTGAAACAACTGCCAATGTCTTACAGGATGCTACCCG 420
Db 2499 GTTTCTTGCCCTGTACAGAAGCTGAAACAACTGCCAATGTCTTACAGGATGCTACCCG 2558

Qy 421 TAAGGAAAGGCTCTAGAAAGCTCAAAGGGAGTAAAAAGAGCTGATGAAACAATGGCAAGA 480
Db 2559 TAAGGAAAGGCTCTAGAAAGCTCAAAGGGAGTAAAAAGAGCTGATGAAACAATGGCAAGA 2618

Qy 481 CCTCAAGGTGAATTTGAGTCAACAGATGTTTATCAACACCTGGATGAACACCA 540
Db 2619 CCTCAAGGTGAATTTGAGTCAACAGATGTTTATCAACACCTGGATGAACACCA 2678

Qy 541 AAAATCTGAGATCCCTGGAGGTCCGATGATGCAAGTCTCTGTATCAAAAGACGTTTGA 600
Db 2679 AAAATCTGAGATCCCTGGAGGTCCGATGATGCAAGTCTCTGTATCAAAAGACGTTTGA 2738

Qy 601 TAAATGAATCTCAAGTGGATGAACCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTT 660
Db 2739 TAAATGAATCTCAAGTGGATGAACCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTT 2798

Qy 661 GGAAGCCAGTTCTGACAGTGGAGCGTCTGACCTTCTCTGAGGAACTTCTGTTGTG 720
Db 2799 GGAAGCCAGTTCTGACAGTGGAGCGTCTGACCTTCTCTGAGGAACTTCTGTTGTG 2858

Qy 721 GCTACAGCTGAAGATGATGAATTAAGCCGAGGACCTATTGGAGGCGACTTTCCAGC 780
Db 2859 GCTACAGCTGAAGATGATGAATTAAGCCGAGGACCTATTGGAGGCGACTTTCCAGC 2918

Qy 781 AGTTCAAGAGCAGACGATGTACATAGGCGCTTCAAGAGGGAAATTGAAGAACTAAAGAAC 840
Db 2919 AGTTCAAGAGCAGACGATGTACATAGGCGCTTCAAGAGGGAAATTGAAGAACTAAAGAAC 2978

Qy 841 TGTAAATCATGATGATCTCTTGGAGACTGTACGAATATTTCTGACAGAGCAGCCTTTGGAAG 900
Db 2979 TGTAAATCATGATGATCTCTTGGAGACTGTACGAATATTTCTGACAGAGCAGCCTTTGGAAG 3038

Qy 901 ACTAGAGAACTCTACAGAGGAGCCAGAGAGTCCCTCTGAGAGAGAGCCAGCAAGT 960
Db 3039 ACTAGAGAACTCTACAGAGGAGCCAGAGAGTCCCTCTGAGAGAGAGCCAGCAAGT 3098

Qy 961 CACTCGGCTTCTACGAAAGCAGGCTGAGAGGTCAATACTGAGTGGGAAAAATTTGAACCT 1020
Db 3099 CACTCGGCTTCTACGAAAGCAGGCTGAGAGGTCAATACTGAGTGGGAAAAATTTGAACCT 3158

Qy 1021 GCATCTCGCTGATCGGAGAGAAATAGATAGAGACCTTTGAAAGACTCCAGGAATTTCA 1080
Db 3159 GCATCTCGCTGATCGGAGAGAAATAGATAGAGACCTTTGAAAGACTCCAGGAATTTCA 3218

Qy 1081 AGAGGCCAGGATGAGTGGACCTCAAGCTGCGCCAACTGAGGTGATCAAGGGATCCTG 1140
Db 3219 AGAGGCCAGGATGAGTGGACCTCAAGCTGCGCCAACTGAGGTGATCAAGGGATCCTG 3278

Qy 1141 GCAGCCGCTGGGCGATCTCTCATTTGACTCTCTCCAAAGTCACTCTCGAGAAAGTCAAGGC 1200
Db 3279 GCAGCCGCTGGGCGATCTCTCATTTGACTCTCTCCAAAGTCACTCTCGAGAAAGTCAAGGC 3338

Qy 1201 ACTTCGAGAGAAATTTGGCCTCTGAAAGAGAACTGAGCCAGCTCAATGCTTTGCTCG 1260
Db 3339 ACTTCGAGAGAAATTTGGCCTCTGAAAGAGAACTGAGCCAGCTCAATGCTTTGCTCG 3398

Qy 1261 CCAGCTTACCACTTTGGGCAATTCAGCTCTCCACGATTAACCTCAGACTCTGGAAGACCT 1320
Db 3399 CCAGCTTACCACTTTGGGCAATTCAGCTCTCCACGATTAACCTCAGACTCTGGAAGACCT 3458

Qy 1321 GAACACAGATGGAAGCTTCTCAGGTGGCCCTGAGGACCGAGTCCAGGAGCTGCATGA 1380
Db 3459 GAACACAGATGGAAGCTTCTCAGGTGGCCCTGAGGACCGAGTCCAGGAGCTGCATGA 3518

Qy 1381 AGCCACAGAGGACTTTGGTCCAGCATCTCAGCACTTTCTTTCCAGCTGTGTCCAGGGTCC 1440
Db 3519 AGCCACAGAGGACTTTGGTCCAGCATCTCAGCACTTTCTTTCCAGCTGTGTCCAGGGTCC 3578

Qy 1441 CTGGGAGAGGAGGAGTCTGCGCCAAAACAAAGTGGCCCTATATATCAACAGGAGACTCAAC 1500
Db 3579 CTGGGAGAGGAGGAGTCTGCGCCAAAACAAAGTGGCCCTATATATCAACAGGAGACTCAAC 3638

Qy 1501 A 1501
Db 3639 A 3639

RESULT 8
US-09-845-416-36
; Sequence 36, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: DEL1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1

QY	961	C	ACTCGGCTTCTACGAAAGCAGGCTCAGGAGGTC	CAATCTGAGTGGGAAAAATTGAACCT	102
Db	3311	C	ACTCGGCTTCTACGAAAGCAGGCTCAGGAGGTC	CAATCTGAGTGGGAAAAATTGAACCT	3370
QY	1021	G	CACTCGCTGACTGCGCAGAGAAAATAGATGAG	CCCTTTGAAAGACTCCAGGAACTTCA	1080
Db	3371	G	CACTCGCTGACTGCGCAGAGAAAATAGATGAG	CCCTTTGAAAGACTCCAGGAACTTCA	3430
QY	1081	A	GAGGGCCACGGATGAGCTGCACCTCAAGCTGC	CCCAAGCTGAGGTGATCAAGGGATCCTG	1140
Db	3431	A	GAGGGCCACGGATGAGCTGCACCTCAAGCTGC	CCCAAGCTGAGGTGATCAAGGGATCCTG	3490
QY	1141	G	CAGCCCGTGGGCGATCTCCTCATTCAGCTCT	CTCCTCAGAGATCACCTCGAGAAAGTCAAGG	1200
Db	3491	G	CAGCCCGTGGGCGATCTCCTCATTCAGCTCT	CTCCTCAGAGATCACCTCGAGAAAGTCAAGG	3550
QY	1201	A	CTTTCGAGGAGAAATTCGCGCTCTGAAAGAA	ACGCTGAGCCACGTCAATGACTCTTGCTCG	1260
Db	3551	A	CTTTCGAGGAGAAATTCGCGCTCTGAAAGAA	ACGCTGAGCCACGTCAATGACTCTTGCTCG	3610
QY	1261	C	AGCTTACACATTTGGGCAATTCAGCTCTCAC	CGTATAACCTCAGCAGCTCTCGAAGACCT	1320
Db	3611	C	AGCTTACACATTTGGGCAATTCAGCTCTCAC	CGTATAACCTCAGCAGCTCTCGAAGACCT	3670
QY	1321	G	AACACAGATGAAGCTTCTGCAAGTGGCCGT	TCGAGGACCGAGTCAGCAGCTGCATGA	1380
Db	3671	G	AACACAGATGAAGCTTCTGCAAGTGGCCGT	TCGAGGACCGAGTCAGCAGCTGCATGA	3730
QY	1381	A	GCCACAGGCACTTTGGTCCAGCATCTCAGCA	CTTCTTTTCCAGCTGTGCCAGGCTCC	1440
Db	3731	A	GCCACAGGCACTTTGGTCCAGCATCTCAGCA	CTTCTTTTCCAGCTGTGCCAGGCTCC	3790
QY	1441	C	TGGGAGAGGCCATCTCCGCAACAAAGTGC	CTTACTATATCAACCGAGACTCAAAAC	1500
Db	3791	C	TGGGAGAGGCCATCTCCGCAACAAAGTGC	CTTACTATATCAACCGAGACTCAAAAC	3850
QY	1501	A	A 1501		
Db	3851	A	A 3851		
RESULT 9					
US-09-845-416-2					
; Sequence 2, Application US/09845416					
; Publication No. US20030171312A1					
; GENERAL INFORMATION:					
; APPLICANT: XIAO, XIAO					
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE					
; FILE REFERENCE: DE1142					
; CURRENT APPLICATION NUMBER: US/09/845,416					
; CURRENT FILING DATE: 2001-04-30					
; PRIOR APPLICATION NUMBER: 60/200,777					
; PRIOR FILING DATE: 2000-04-28					
; NUMBER OF SEQ ID NOS: 56					
; SOFTWARE: Patentin Ver. 2.1					
; SEQ ID NO 2					
; LENGTH: 4182					
; TYPE: DNA					
; ORGANISM: Homo sapiens					
US-09-845-416-2					
Query Match 78.8%; Score 1183.2; DB 10; Length 4182;					
Best Local Similarity 99.7%; Pred. No. 0;					
Matches 1185; Conservative 0; Mismatches 3; Indels 0; Gaps 0;					
QY	314	G	TACCTACTCATAGATTACTGCAACAGTTTCC	CCCTGGACCTGGAAAAAGTTCTTCCCTGG	373
Db	1996	G	CACAGACTCATAGATTACTGCAACAGTTTCC	CCCTGGACCTGGAAAAAGTTCTTCCCTGG	2055
QY	374	C	TTCACAGAGCTGAACAACACTGCCAATGTCT	TACAGGATGCTACCCGTAAGGAAAGGCTC	433

Db 2056 CTTACAGAGCTGAAACAACTGCCAATGTCTTACAGAGTCTACCCGTAGGAAAGGCTC 2115
Qy 434 CTAGAGACTCCAAAGGAGTAAGAGCTGATGAAACAATGGCAAGACCTCCAAAGTGAA 493
Db 2116 CTAGAGACTCCAAAGGAGTAAGAGCTGATGAAACAATGGCAAGACCTCCAAAGTGAA 2175
Qy 494 ATTGAAGCTCACAGAGTGTATACAACTGATGAAACAGCCAAACAAATCCCTGAGA 553
Db 2176 ATTGAAGCTCACAGAGTGTATACAACTGATGAAACAGCCAAACAAATCCCTGAGA 2235
Qy 554 TCCCTGGAAGGTTCCGATGATGCACTCTCTGACAAAGACGTTTGGATAAACATGAATTC 613
Db 2236 TCCCTGGAAGGTTCCGATGATGCACTCTCTGACAAAGACGTTTGGATAAACATGAATTC 2295
Qy 614 AAGTGGAGTGAACCTTCGGAAGAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTCT 673
Db 2296 AAGTGGAGTGAACCTTCGGAAGAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTCT 2355
Qy 674 GACCAGTGGAGGCTCTGCACTTTCTCTGACAGAACTTCTGTGTGGCTACAGCTGAAA 733
Db 2356 GACCAGTGGAGGCTCTGCACTTTCTCTGACAGAACTTCTGTGTGGCTACAGCTGAAA 2415
Qy 734 GATGATGAATTAAAGCCGAGGACCTTATTGGAGGCACTTTCAGAGCTTCAGAGCAG 793
Db 2416 GATGATGAATTAAAGCCGAGGACCTTATTGGAGGCACTTTCAGAGCTTCAGAGCAG 2475
Qy 794 AACGATGTACATAGGCGCTTCAAGAGGAAATTGAAGAACTTGAAGAACTGTAAATCATGAGT 853
Db 2476 AACGATGTACATAGGCGCTTCAAGAGGAAATTGAAGAACTTGAAGAACTGTAAATCATGAGT 2535
Qy 854 ACTCTTGAGACTGTACGAATATTCTCAAGAGCAGCGCTTGGAGGAACTTAGAGAACTC 913
Db 2536 ACTCTTGAGACTGTACGAATATTCTCAAGAGCAGCGCTTGGAGGAACTTAGAGAACTC 2595
Qy 914 TACCAGAGCCGAGAGCTGCTCTGAGGAGAGCCAGAGTGTCACTCCGCTTCTA 973
Db 2596 TACCAGAGCCGAGAGCTGCTCTGAGGAGAGCCAGAGTGTCACTCCGCTTCTA 2655
Qy 974 CGAAGCAGGCTGAGGAGGTTCAATACCTGAGTGGGAAATTTGAACCTGCACTCCGCTGAC 1033
Db 2656 CGAAGCAGGCTGAGGAGGTTCAATACCTGAGTGGGAAATTTGAACCTGCACTCCGCTGAC 2715
Qy 1034 TGGCAGAGAAATATAGATGAGACCTTGAAGACTCCAGAACTTCAAGAGGCCACCGAT 1093
Db 2716 TGGCAGAGAAATATAGATGAGACCTTGAAGACTCCAGAACTTCAAGAGGCCACCGAT 2775
Qy 1094 GAGCTGACCTCAAGCTGCGCAAGCTGAGTGAATCAAGGATCCTGCGCAGCCGCTGGC 1153
Db 2776 GAGCTGACCTCAAGCTGCGCAAGCTGAGTGAATCAAGGATCCTGCGCAGCCGCTGGC 2835
Qy 1154 GATCTCCTCATTTGACTCTCTCCAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGAA 1213
Db 2836 GATCTCCTCATTTGACTCTCTCCAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGAA 2895
Qy 1214 ATTGGCTCTGAAGAGAGCTGACCTCAATGACCTTGTCTGCGCAGCTTACCACCT 1273
Db 2896 ATTGGCTCTGAAGAGAGCTGACCTCAATGACCTTGTCTGCGCAGCTTACCACCT 2955
Qy 1274 TTGGGCACTTCACTCTCAACCTATACCTCAGCACTCTGGAAGACCTTGAACACAGATGG 1333
Db 2956 TTGGGCACTTCACTCTCAACCTATACCTCAGCACTCTGGAAGACCTTGAACACAGATGG 3015
Qy 1334 AAGCTTCTGAGGTGGCGCTGAGAGCCGAGTCAAGGAGCTGATGAAGCCACAGGGAC 1393
Db 3016 AAGCTTCTGAGGTGGCGCTGAGAGCCGAGTCAAGGAGCTGATGAAGCCACAGGGAC 3075
Qy 1394 TTGTGTCAGGATCTCAGCACTTTCTTCCACGCTCTGTCCAGGCTCCCTGGAGAGAGCC 1453
Db 3076 TTGTGTCAGGATCTCAGCACTTTCTTCCACGCTCTGTCCAGGCTCCCTGGAGAGAGCC 3135
Qy 1454 ATCTGCGCAAAACAAAGTGGCTCTATATATCAACACAGAGACTCAAAAC 1501
Db 3136 ATCTGCGCAAAACAAAGTGGCTCTATATATCAACACAGAGACTCAAAAC 3183

RESULT 10

US-09-845-416-27
; Sequence 27, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:

; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27

; LENGTH: 5149
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-27

Query Match 78.8%; Score 1183.2; DB 10; Length 5149;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 1185; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 314 GTACCTACTCATAGATTACTGCAACAGATTCCCCCTGGACCTGAAAAAGTTTCTTGCCTGG 373
Db 2753 GCACAGACTCATAGATTACTGCAACAGTTCCCTGGACCTGAAAAAGTTTCTTGCCTGG 2812
Qy 374 CTTACAGAAAGCTGAAACAACTGCCAATGTCTCTACAGGATGCTACCCGTAAGAAAAAGGCTC 433
Db 2813 CTTACAGAAAGCTGAAACAACTGCCAATGTCTCTACAGGATGCTACCCGTAAGAAAAAGGCTC 2872
Qy 434 CTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAACTGCAAGACCTCCAAAGTGAA 493
Db 2873 CTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAACTGCAAGACCTCCAAAGTGAA 2932
Qy 494 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAAAACAGCAAAAAATCCTGAGA 553
Db 2933 ATTGAAGCTCACACAGATGTTTATCAACACCTGGATGAAAAACAGCAAAAAATCCTGAGA 2992
Qy 554 TCCCTGGAAGGTTCCGATGATGCACTCTCTTACAAAGAGCTTGGATAACATGACTTC 613
Db 2993 TCCCTGGAAGGTTCCGATGATGCACTCTCTTACAAAGAGCTTGGATAACATGACTTC 3052
Qy 614 AAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATTAGTCCCATTTGGAAGCCAGTTCT 673
Db 3053 AAGTGGAGTGAACCTTCGGAAGAAAGTCTCTCAACATTAGTCCCATTTGGAAGCCAGTTCT 3112
Qy 674 GACCAGTGAAGGCTTGCACTTTCTCTGAGGAGACCTTCTGTGTGGCTACAGCTGAAA 733
Db 3113 GACCAGTGAAGGCTTGCACTTTCTCTGAGGAGACCTTCTGTGTGGCTACAGCTGAAA 3172
Qy 734 GATGATGAATTAAAGCCGAGCAGCACTATTGAGAGGCACTTTCCAGCAGTTCAGAGACAG 793
Db 3173 GATGATGAATTAAAGCCGAGCAGCACTATTGAGAGGCACTTTCCAGCAGTTCAGAGACAG 3232
Qy 794 AACGATGTACATAGGCGCTTCAAGAGGAAATTGAAAACTAAAGAAACCTGTATCATGAGT 853
Db 3233 AACGATGTACATAGGCGCTTCAAGAGGAAATTGAAAACTAAAGAAACCTGTATCATGAGT 3292
Qy 854 ACTCTTGGAGCTGTAGGAATTTCTGACAGAGCAGCTTTGGAAGGACTTAGAGAAACTC 913
Db 3293 ACTCTTGGAGCTGTAGGAATTTCTGACAGAGCAGCTTTGGAAGGACTTAGAGAAACTC 3352
Qy 914 TACCAGAGCCGAGAGAGCTGCTCTCTGAGGAGAGAGCCAGAAATGTCACTCGGCTTCTA 973
Db 3353 TACCAGAGCCGAGAGAGCTGCTCTCTGAGGAGAGAGCCAGAAATGTCACTCGGCTTCTA 3412
Qy 974 CGAAGCAGGCTGAGGAGTCAATTAATGAGTGGAAAAAATTGAACCTGCACTCCGCTGAC 1033

Db 3413 CGAAGACGGCTGAGGAGGTCAATACTGAGTGGGAAAAATTCACCTGCACTCCGCTGAC 3472
QY 1034 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAGAGGCCACGGAT 1093
Db 3473 TGGCAGAGAAAATAGATGAGACCTTGAAGACTCCAGGAACTTCAGAGGCCACGGAT 3532
QY 1094 GAGCTTGGACCTCAAGCTCGGCCAAGCTGAGGTGATCAAGGGATCCTGGCAGCCCGTGGGC 1153
Db 3533 GAGCTTGGACCTCAAGCTCGGCCAAGCTGAGGTGATCAAGGGATCCTGGCAGCCCGTGGGC 3592
QY 1154 GATCTCCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGGAA 1213
Db 3593 GATCTCCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGGAA 3652
QY 1214 ATTGGCCCTCTGAAAGAGAACTGAGCACTGAGCACTCAATGACCTTGTGCGCAGCTTACCCT 1273
Db 3653 ATTGGCCCTCTGAAAGAGAACTGAGCACTGAGCACTCAATGACCTTGTGCGCAGCTTACCCT 3712
QY 1274 TTGGCATTTCAGCTCTACCGTATAAACCCTCAGCACTCTGGAAGACCTTGAACACCATG 1333
Db 3713 TTGGCATTTCAGCTCTACCGTATAAACCCTCAGCACTCTGGAAGACCTTGAACACCATG 3772
QY 1334 AAGCTTCTGAGGTGGCGCTCGAGACCGAGTCAAGGAGCTGCAATGAAGCCACAGGAC 1393
Db 3773 AAGCTTCTGAGGTGGCGCTCGAGACCGAGTCAAGGAGCTGCAATGAAGCCACAGGAC 3832
QY 1394 TTGGTCCAGCATCTCAGCACTTTCTTCCACGTCTGTCCAGGTCCTCGGAGAGGCC 1453
Db 3833 TTGGTCCAGCATCTCAGCACTTTCTTCCACGTCTGTCCAGGTCCTCGGAGAGGCC 3892
QY 1454 ATCTGCCAACAAGTGGCCCTACTATATCAACACGAGACTCAACA 1501
Db 3893 ATCTGCCAACAAGTGGCCCTACTATATCAACACGAGACTCAACA 3940

RESULT 11

US-10-149-736-42
; Sequence 42, Application US/10149736
; Publication No. US20030216332A1
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Harper, Scott Q.
; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
; FILE REFERENCE: US-06968
; CURRENT APPLICATION NUMBER: US/10/149,736
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US01/31126
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/238,848
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 8689
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-149-736-42

Query Match 78.8%; Score 1182.6; DB 16; Length 8689;
Best Local Similarity. 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 313 GGTACCTACTCATGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAAAGTTCTTGCTG 372
Db 2992 GGAAGAACTCATGATTACTGCAACAGTTCCCTCCCTGGACCTGGAAAAGTTCTTGCTG 3051
QY 373 GCTTACAGAACTGAAACAACTGCCAATGTCTACAGAGTCTACCGTAAGGAAAGGCT 432
Db 3052 GCTTACAGAACTGAAACAACTGCCAATGTCTACAGAGTCTACCGTAAGGAAAGGCT 3111
QY 433 CCTAGAGACTCCAAGGGAGTAAAGAGCTGATGAACAATGGCAAGACCTCCAAGGTGA 492

Db 3112 CCTAGAGACTCCAAGGGAGTAAAGAGCTGATGAACAATGGCAAGACCTCCAAGGTGA 3171
QY 493 AATTGAGCTCACAAGATGTTTATCAACACTGATGAACAACAGCCAAAATTCCTGAG 552
Db 3172 AATTGAGCTCACAAGATGTTTATCAACACTGATGAACAACAGCCAAAATTCCTGAG 3231
QY 553 ATCCCTGGAAAGTTCGGATGATGCTCTGTTACAAAGACGTTTGGATAACATGAAT 612
Db 3232 ATCCCTGGAAAGTTCGGATGATGCTCTGTTACAAAGACGTTTGGATAACATGAAT 3291
QY 613 CAAATGAGTGAATTCGGAAAAAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTC 672
Db 3292 CAAATGAGTGAATTCGGAAAAAGTCTCTCAACATTAAGTCCCATTTGGAGCCAGTTC 3351
QY 673 TGACAGATGGAAGCGTCTGACCTTCTGTCAGCAACTTCTGTCAGCAACTTCTGTCAGCA 732
Db 3352 TGACAGATGGAAGCGTCTGACCTTCTGTCAGCAACTTCTGTCAGCAACTTCTGTCAGCA 3411
QY 733 AGATGATGAATTAAGCCGCGCAGGCACTTATTTGAGGCGCACTTCCAGAGTTTCAAGACA 792
Db 3412 AGATGATGAATTAAGCCGCGCAGGCACTTATTTGAGGCGCACTTCCAGAGTTTCAAGACA 3471
QY 793 GAACGATGTACATAGGGCTTCAAGAGGGAATTTGAACAACTTAAGAACTTAAGAACTTAAG 852
Db 3472 GAACGATGTACATAGGGCTTCAAGAGGGAATTTGAACAACTTAAGAACTTAAGAACTTAAG 3531
QY 853 TACTCTTGGAGCTGTACGAATATTTCTGACAGAGCAGCCTTTTGGAGGACTTAGAGAACT 912
Db 3532 TACTCTTGGAGCTGTACGAATATTTCTGACAGAGCAGCCTTTTGGAGGACTTAGAGAACT 3591
QY 913 CTACAGAGGCCAGAGAGCTGCTCTCTGAGGAGAGAGCCAGATGTCTCACTCGCTTCT 972
Db 3592 CTACAGAGGCCAGAGAGCTGCTCTCTGAGGAGAGAGCCAGATGTCTCACTCGCTTCT 3651
QY 973 ACGAAAGCAGGCTGAGGAGGTCAATACTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGA 1032
Db 3652 ACGAAAGCAGGCTGAGGAGGTCAATACTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGA 3711
QY 1033 CTGGCAGAGAAAAATAGATGAGACCTTTGAAGACTCCAGGAACCTTCAAGAGGCCACGGA 1092
Db 3712 CTGGCAGAGAAAAATAGATGAGACCTTTGAAGACTCCAGGAACCTTCAAGAGGCCACGGA 3771
QY 1093 TGAGCTGGAAGCTCAAGCTCGGCAAGCTGAGGTGATCAAGGATCTCTGGCAGCCCGTGGG 1152
Db 3772 TGAGCTGGAAGCTCAAGCTCGGCAAGCTGAGGTGATCAAGGATCTCTGGCAGCCCGTGGG 3831
QY 1153 CGATCTCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGAGA 1212
Db 3832 CGATCTCTCATTTGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGAGAGA 3891
QY 1213 AATTGGCTCTGAAAGAGAACTGAGCACTGAGCACTTGTCTGCCAGCTTACCAC 1272
Db 3892 AATTGGCTCTGAAAGAGAACTGAGCACTGAGCACTTGTCTGCCAGCTTACCAC 3951
QY 1273 TTTGGCATTTCAGCTCTCACCGTATAAACCCTCAGCACTCTGGAAGACCTTGAACAACAGATG 1332
Db 3952 TTTGGCATTTCAGCTCTCACCGTATAAACCCTCAGCACTCTGGAAGACCTTGAACAACAGATG 4011
QY 1333 GAAGCTTCTGAGGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGAAGCCACAGGGA 1392
Db 4012 GAAGCTTCTGAGGTGGCGCTGAGGACCGAGTCAAGGAGCTGATGAAGCCACAGGGA 4071
QY 1393 CTTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTCTGTCCAGGTCCTCTGGGAGAGC 1452
Db 4072 CTTTGGTCCAGCATCTCAGCACTTTCTTCCACGCTCTGTCCAGGTCCTCTGGGAGAGC 4131
QY 1453 CATCTGCGCAACAAGTGGCCCTACTATATCAACACGAGACTCAACA 1501
Db 4132 CATCTGCGCAACAAGTGGCCCTACTATATCAACACGAGACTCAACA 4180

RESULT 12

US-09-845-416-1
; Sequence 1, Application US/09845416
; Publication No. US20030171312A1
; GENERAL INFORMATION:
; APPLICANT: XIAO, XIAO
; TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
; FILE REFERENCE: DE1142
; CURRENT APPLICATION NUMBER: US/09/845,416
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: 60/200,777
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 11058
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-845-416-1

Query Match 78.8%; Score 1182.6; DB 10; Length 11058;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 313 GGTACCTACTCATAGATTACTGACAGATTCCCTCGACCTGGAAGTTTCTTCCCTG 372
DB 8052 GGAAGAACTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAGTTTCTTCCCTG 8111

QY 373 GCTTACAGAGCTGAAACAACTGCAATGTCCTACAGAGTGTACCCGTAAGCAAGGCT 432
DB 8112 GCATTACAGAGCTGAAACAACTGCAATGTCCTACAGAGTGTACCCGTAAGCAAGGCT 8171

QY 433 CTTAGAGACTCCAGGGAGTAAAGAGCTGTATGAACAATGGCAAGCTCCAGGTGA 492
DB 8172 CTTAGAGACTCCAGGGAGTAAAGAGCTGTATGAACAATGGCAAGCTCCAGGTGA 8231

QY 493 AATTGAAGCTCACACAGATGTTTATCAACCTGTGATGAACCAAGCAAGCAAGTCTGAG 552
DB 8232 AATTGAAGCTCACACAGATGTTTATCAACCTGTGATGAACCAAGCAAGTCTGAG 8291

QY 553 ATCCCTGGAAGGTTCCGATGATGAGTCCCTGTTACAAAGAGCTTTGGATAACATGAAT 612
DB 8292 ATCCCTGGAAGGTTCCGATGATGAGTCCCTGTTACAAAGAGCTTTGGATAACATGAAT 8351

QY 613 CAAGTGAGTGAATTCGGAAGAGTCTCTCAATTTAGTCCCATTTGGAAGCCAGTTC 672
DB 8352 CAAGTGAGTGAATTCGGAAGAGTCTCTCAATTTAGTCCCATTTGGAAGCCAGTTC 8411

QY 673 TGACCACTGGAAGGCTCTGCACCTTTCTCTGCAGGAATTTCTGCTGTGCTACAGCTGAA 732
DB 8412 TGACCACTGGAAGGCTCTGCACCTTTCTCTGCAGGAATTTCTGCTGTGCTACAGCTGAA 8471

QY 733 AGATGATGAATTAAGCCGAGGAGCACTTTTGGAGGAGCTTTCCAGCAGTTTCAAGCA 792
DB 8472 AGATGATGAATTAAGCCGAGGAGCACTTTTGGAGGAGCTTTCCAGCAGTTTCAAGCA 8531

QY 793 GAACGATGTACATAGGCTTTCAAGAGGGAATTAAGAACTAAAGAACTGATATCATGAG 852
DB 8532 GAACGATGTACATAGGCTTTCAAGAGGGAATTAAGAACTAAAGAACTGATATCATGAG 8591

QY 853 TACTCTTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTTGAAGGACTAGAGAACT 912
DB 8592 TACTCTTTGAGACTGTACGAATATTTCTGACAGAGCAGCTTTTGAAGGACTAGAGAACT 8651

QY 913 CTACAGAGGCCAGAGGCTGCTCTGAGGAGAGCCAGATGTCTACTCGGCTTCT 972
DB 8652 CTACAGAGGCCAGAGGCTGCTCTGAGGAGAGCCAGATGTCTACTCGGCTTCT 8711

QY 973 ACGAAGCAGGCTGAGGAGTCAATACTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGA 1032
DB 8712 ACGAAGCAGGCTGAGGAGTCAATACTGAGTGGGAAAAATTTGAACCTGCACTCCGCTGA 8771

QY 1033 CTGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATTTCAAGAGGCCACGA 1092

Db 8772 CTGCGAGAGAAAAATAGATGAGACCTTTGAAAGACTCCAGGAATTTCAAGAGGCCACGA 8831

QY 1093 TGAGCTGGACCTCAAGCTGCGCCCAAGCTGAGTGTATCAAGGATCCTGCGACCCCTGGG 1152

Db 8832 TGAGCTGGACCTCAAGCTGCGCCCAAGCTGAGTGTATCAAGGATCCTGCGACCCCTGGG 8891

QY 1153 CGATCTCTCTCATTTGACTCTCTCCAAAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGA 1212

Db 8892 CGATCTCTCTCATTTGACTCTCTCCAAAGATCACCTCGAGAAAGTCAAGGCACTTCGAGGAGA 8951

QY 1213 AATTGGGCTCTGAAGAGAGAGCTGAGCAGCTCAATGACCTTGTCTGCGACCTTACCAC 1272

Db 8952 AATTGGGCTCTGAAGAGAGAGCTGAGCAGCTCAATGACCTTGTCTGCGACCTTACCAC 9011

QY 1273 TTTGGGCAATTGAGCTCTCAACCGTATAAAGCTCAGCACTCTGGAAGAGCTTGAACACCAAGATG 1332

Db 9012 TTTGGGCAATTGAGCTCTCAACCGTATAAAGCTCAGCACTCTGGAAGAGCTTGAACACCAAGATG 9071

QY 1333 GAAGCTTTGAGGCTGCGGCTGAGGACCGAGTCAAGGAGCTGATGAAGCCCAAGGA 1392

Db 9072 GAAGCTTTGAGGCTGCGGCTGAGGACCGAGTCAAGGAGCTGATGAAGCCCAAGGA 9131

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Db 9192 CATCTCGCCAAACAAAGTGCCTACTATATCAACCAAGAGACTCAACA 9240

RESULT 13
US-10-149-736-44
; Sequence 44, Application US/10149736
; Publication No. US20030216332A1
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Harper, Scott Q.
; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
; FILE REFERENCE: US-06968
; CURRENT APPLICATION NUMBER: US/10/149,736
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US01/31126
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/238,848
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 11443
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-149-736-44

Query Match 78.8%; Score 1182.6; DB 16; Length 11443;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 313 GGTACCTACTCATAGATTACTGCAACAGTTCCCTCGACCTGGAAGTTTCTTCCCTG 372
DB 5746 GGAAGAACTCATAGATTACTGCAACAGTTCCCTCGACCTTGGAAAAAGTTTCTTCCCTG 5805

QY 373 GCTTACAGAGCTGAAACAACTGCAATGTCTACAGAGTGTACCCGTAAGGAAGCT 432
DB 5806 GCTTACAGAGCTGAAACAACTGCAATGTCTACAGAGTGTACCCGTAAGGAAGCT 5865

QY 433 CTTAGAAAGACTCCAAAGGGAGTAAAGAGCTGATGAACAATGGCAAGACTTCCAAAGTGA 492
DB 5866 CTTAGAAAGACTCCAAAGGGAGTAAAGAGCTGATGAACAATGGCAAGACTTCCAAAGTGA 5925

493 AATTGAAGCTCACAGAGTGTATATACAACTGGATGMAAAGAGCCAAATAATCCTGAG 552
5926 AATTGAAGCTCACAGAGTGTATATACAACTGGATGMAAAGAGCCAAATAATCCTGAG 5985
553 ATCCCTGGAAGGTTCCGATGATGAGTCTCTTAAAGAGAGCTTTGGATTAACATGAATTT 612
5986 ATCCCTGGAAGGTTCCGATGATGAGTCTCTTAAAGAGAGCTTTGGATTAACATGAATTT 6045
613 CAAGTGGAGTGAATCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTTGGAAGCCAGTTT 672
6046 CAAGTGGAGTGAATCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTTGGAAGCCAGTTT 6105
673 TGACCAAGTGAAGGCTCTGACCTTTCTCTCAGGAACCTTCTGCTGGTGGCTACAGCTGAA 732
6106 TGACCAAGTGAAGGCTCTGACCTTTCTCTCAGGAACCTTCTGCTGGTGGCTACAGCTGAA 6165
733 AGATGATGAATTAAGCCGAGGACCTTATTTGAGGAGGACCTTTCCAGCAGTTTCAAGAGCA 792
6166 AGATGATGAATTAAGCCGAGGACCTTATTTGAGGAGGACCTTTCCAGCAGTTTCAAGAGCA 6225
793 GAACGATGATCATAGGCTTCAAGAGGGAATTAAGAACTAAAGAACTCTGATATCATGAG 852
6226 GAACGATGATCATAGGCTTCAAGAGGGAATTAAGAACTAAAGAACTCTGATATCATGAG 6285
853 TACTCTTGAGAGTGTACGAATTAATTTCTGACAGAGCAGCTTTTGAAGGAGTCTAGAGAACT 912
6286 TACTCTTGAGAGTGTACGAATTAATTTCTGACAGAGCAGCTTTTGAAGGAGTCTAGAGAACT 6345
913 CTACAGAGGCTCAGAGAGTCTCTCTGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 972
6346 CTACAGAGGCTCAGAGAGTCTCTCTGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6405
973 ACAGAGGAGGCTCAGAGAGTCTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1032
6406 ACAGAGGAGGCTCAGAGAGTCTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6465
1033 CTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1092
6466 CTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 6525
1093 TGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1152
6526 TGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6585
1153 CGATCTCTCATGATGATCTCTCAAGATGATCTCAAGAGGAGGAGGAGGAGGAGGAGGAGG 1212
6586 CGATCTCTCATGATGATCTCTCAAGATGATCTCAAGAGGAGGAGGAGGAGGAGGAGGAGG 6645
1213 AATTGGGCTCTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1272
6646 AATTGGGCTCTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6705
1273 TTTGGGCAATTCAGCTCTCAAGGATGATCTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1332
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1333 GAAGCTTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1392
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1393 CTTTGGTCCAGGATCTCAGCACTTTCTTTTCCAGGCTCTGTCAGGAGGAGGAGGAGGAGGAGG 1452
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1453 CATCTCGGCAAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1501
6886 CATCTCGGCAAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6934

GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; TITLE OF INVENTION: Mini-Dystrophin Nucleic Acids and Peptide Sequences
; FILE REFERENCE: US-06968
; CURRENT APPLICATION NUMBER: US/10149,736
; CURRENT FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: PCT/US01/31126
; PRIOR FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/238,848
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 12057
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-149-736-47

Query Match 78.8%; Score 1182.6; DB 16; Length 12057;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 313 GGTACTCTACTATAGATTACTGCAACAGTTCCTCCCTGACCTGGAAGAGTTCCTGCTG 372
DB 8260 GGAAGAACTCATAGATTACTGCAACAGTTCCTCCCTGACCTGGAAGAGTTCCTGCTG 8319
QY 373 GCTTACAGAGCTGAAACAACTGCTCAAGAGTCTCTCAGAGATCTACCCCTGGAAGAGGCT 432
DB 8320 GCTTACAGAGCTGAAACAACTGCTCAAGAGTCTCTCAGAGATCTACCCCTGGAAGAGGCT 8379
QY 433 CCTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAAATGGCAAGACCTCCAGGTGA 492
DB 8380 CCTAGAGAGCTCCAAAGGAGTAAAGAGCTGATGAACAAATGGCAAGACCTCCAGGTGA 8439
QY 493 AATTGAAGCTCACAGAGTGTATATACAACTGGATGMAAAGAGCCAAATAATCCTGAG 552
DB 8440 AATTGAAGCTCACAGAGTGTATATACAACTGGATGMAAAGAGCCAAATAATCCTGAG 8499
QY 553 ATCCCTGGAAGGTTCCGATGATGAGTCTCTTAAAGAGAGCTTTGGATTAACATGAATTT 612
DB 8500 ATCCCTGGAAGGTTCCGATGATGAGTCTCTTAAAGAGAGCTTTGGATTAACATGAATTT 8559
QY 613 CAAGTGGAGTGAATCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTTGGAAGCCAGTTT 672
DB 8560 CAAGTGGAGTGAATCTCGGAAAAAGTCTCTCAACATTAGTCCCAATTTGGAAGCCAGTTT 8619
QY 673 TGACCAAGTGAAGGCTCTGACCTTTCTCTCAGGAACCTTCTGCTGGTGGCTACAGCTGAA 732
DB 8620 TGACCAAGTGAAGGCTCTGACCTTTCTCTCAGGAACCTTCTGCTGGTGGCTACAGCTGAA 8679
QY 733 AGATGATGAATTAAGCCGAGGACCTTATTTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 792
DB 8680 AGATGATGAATTAAGCCGAGGACCTTATTTGAGGAGGAGGAGGAGGAGGAGGAGGAGG 8739
QY 793 GAACGATGATCATAGGCTTCAAGAGGGAATTAAGAACTAAAGAACTCTGATATCATGAG 852
DB 8740 GAACGATGATCATAGGCTTCAAGAGGGAATTAAGAACTAAAGAACTCTGATATCATGAG 8799
QY 853 TACTCTTGAGAGTGTACGAATTAATTTCTGACAGAGCAGCTTTTGAAGGAGTCTAGAGAACT 912
DB 8800 TACTCTTGAGAGTGTACGAATTAATTTCTGACAGAGCAGCTTTTGAAGGAGTCTAGAGAACT 8859
QY 913 CTACAGAGGCTCAGAGAGTCTCTCTCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 972
DB 8860 CTACAGAGGCTCAGAGAGTCTCTCTCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 8919
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DB 8920 ACAGAGGAGGCTCAGAGAGTCTCTCTGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 8979

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QY 1033 CTGGCAGAGAAAATAGATGAGACCTTGAAGAGCTCCAGGAACTTCAAGAGGCCACGGA 1092
Db 8980 CTGGCAGAGAAAATAGATGAGACCTTGAAGAGCTCCAGGAACTTCAAGAGGCCACGGA 9039
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Db 9040 TGAGCTGACCTCAAGCTGGCCAAAGCTGAGGTGATCAAGGGATCTGGGAGCCCGTGGG 9099
QY 1153 CGATCTCCTCATGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGGAGA 1212
Db 9100 CGATCTCCTCATGACTCTCTCAAGATCACTCGAGAAAGTCAAGGCACTTCGAGGAGA 9159
QY 1213 AATTGGCCCTCTGAAGAGAGCTGAGCAGCTCAATGATCTTGGCTCGCCAGCTTACCAC 1272
Db 9160 AATTGGCCCTCTGAAGAGAGCTGAGCAGCTCAATGATCTTGGCTCGCCAGCTTACCAC 9219
QY 1273 TTTGGGCAATTCAGCTCTCAACCGTATACCTCAGCACTCTCGAAGAGCTTGAACCAAGATG 1332
Db 9220 TTTGGGCAATTCAGCTCTCAACCGTATACCTCAGCACTCTCGAAGAGCTTGAACCAAGATG 9279
QY 1333 GAAGCTTCTCAGGTGGCCCTCGAGGACCGAGTCAGGCACTGCATGAAGCCACACAGGA 1392
Db 9280 GAAGCTTCTCAGGTGGCCCTCGAGGACCGAGTCAGGCACTGCATGAAGCCACACAGGA 9339
QY 1393 CTTTGGTCCAGCATCTCAGCACTTCTTCCAGCTGTCTCCAGGTGCTGGGAGAGAGC 1452
Db 9340 CTTTGGTCCAGCATCTCAGCACTTCTTCCAGCTGTCTCCAGGTGCTGGGAGAGAGC 9399
QY 1453 CATCTGCCAAACAAAGTGCCCTACTATATCAACCAAGAGACTCAAAACA 1501
Db 9400 CATCTGCCAAACAAAGTGCCCTACTATATCAACCAAGAGACTCAAAACA 9448

RESULT 15
US-09-782-378A-22
; Sequence 22, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 13957
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-22

Query Match 78.8%; Score 1182.6; DB 9; Length 13957;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1185; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 313 GGTACCTACTCATAGATTACTGCAACAGTTCCTCCCTGCACTGCAAGAAAGTTCTTGGCTG 372
Db 8260 GGAAGAAACTCATAGATTACTGCAACAGTTCCTCCCTGCACTGCAAGAAAGTTCTTGGCTG 8319
QY 373 GCTTACAGAAGCTGAAACAACTGCAATGTCTTACAGATGCTACCCGTAAGGAAAGGCT 432
Db 8320 GCTTACAGAAGCTGAAACAACTGCAATGTCTTACAGATGCTACCCGTAAGGAAAGGCT 8379
QY 433 CCTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAAATGGAAGACCTCCAGAGTGA 492
Db 8380 CCTAGAGACTCCAAAGGAGTAAAGAGCTGATGAACAAATGGAAGACCTCCAGAGTGA 8439
QY 493 AATTGAAGCTCACACAGATGTTTATCAACACTGGATGAAACAGCCCAAAATCTCTGAG 552
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